

Converting Colors

XYZ(77.6756, 82.9944, 91.0422)

Have a look what the booklet for
XYZ(77.6756, 82.9944, 91.0422)
contains.

XYZ(77.7689, 82.8700, 91.2535)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.7689, 82.8700,
91.2535)**

Conversions

Conversions Part 1

Format	Color
Hex	E6ECEC
RGB	230, 236, 236
RGB Percent	90%, 93%, 93%
CMY	0.0980, 0.0745, 0.0745
CMYK	0.03, 0.00, 0.00, 0.07
HSL	180°, 14%, 91%
HSV	180°, 3%, 93%
XYZ	77.7689, 82.8700, 91.2535
YIQ	234.2060, -3.5760, -1.2720

Conversions

Conversions Part 2

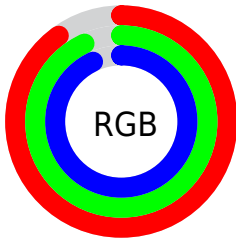
Format	Color
R _Y B	230, 233, 236
Decimal	15133932
CIE Lab	92.96, -1.99, -0.71
CIE LCh	93, 2.111, 199.560
Yxy	82.8700, 0.3087, 0.3290
Android (android.graphics.Color)	4293324012 (0xFFE6ECEC)
YUV	234.2060, 0.8844, -3.6887
Hunter-Lab	91.0330, -6.8162, 4.2894

Details

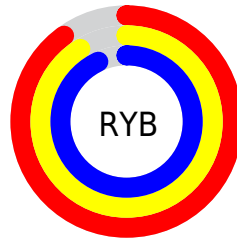
The XYZ color **77.7689, 82.8700, 91.2535** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.1749, 80.1419, 86.2684**, and the grayscale version is **78.3602, 82.4410, 89.7783**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2387, 45.0518, 49.6497** is the 20% darker color. If you saturate the color by 10%, you get **70.7005, 79.2287, 90.9130**, and if you desaturate by 10%, it is **85.8674, 87.0470, 91.6456**.

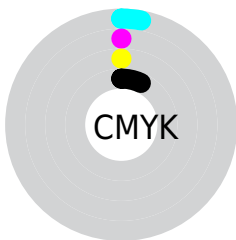
Distribution



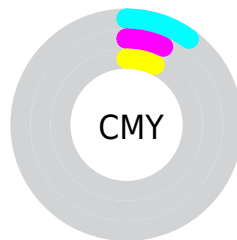
- Red (90%)
- Green (93%)
- Blue (93%)



- Red (90%)
- Yellow (91%)
- Blue (93%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (10%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7689, 82.8700, 91.2535 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.7689, 82.8700, 91.2535 by changing the saturation by 10% instead.

■ 77.7689, 82.8700,
91.2535

■ 77.7689, 82.8700,
91.2535

476.2335,
504.5532, 552.7750

■ 58.1863, 62.0829,
68.4412

129.1914,
137.3934, 151.0290

■ 42.2023, 45.0997,
49.7878

161.7620,
171.8984, 188.8294

■ 29.4515, 31.5360,
34.8748

199.3926,
211.7450, 232.4628

■ 19.5686, 21.0073,
23.2837

242.4485,
257.3173, 282.3478

■ 12.1883, 13.1293,
14.5959

291.2953,
308.9999, 338.9030

■ 6.9452, 7.5177,
8.3928

346.2981,

■ 3.4739, 3.7879,

367.1772, 402.5469

4.2559

407.8224,
432.2335, 473.6981

■ 1.4090, 1.5556,
1.7668

■ 0.2626, 0.3274,
0.4059

■ 77.7689, 82.8700,
91.2535

■ 77.7689, 82.8700,
91.2535

■ 70.7005, 79.2287,
90.9130

■ 85.8674, 87.0470,
91.6456

■ 64.6143, 76.0914,
90.6168

■ 86.3819, 87.3120,
91.6811

■ 59.4688, 73.4390,
90.3645

■ 86.3841, 87.3129,
91.6926

■ 55.2173, 71.2475,
90.1542

■ 86.3863, 87.3138,
91.7042

■ 51.8086, 69.4906,
89.9832

■ 86.3885, 87.3146,
91.7157

■ 49.1868, 68.1392,
89.8491

■ 86.3907, 87.3155,
91.7272

■ 47.2889, 67.1611,
89.7489

■ 86.3929, 87.3164,
91.7387

■ 46.0424, 66.5187,
89.6792

■ 86.3951, 87.3173,
91.7502

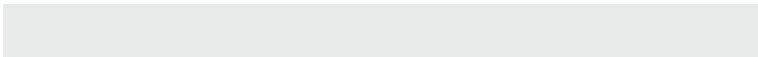
■ 45.3599, 66.1671,
89.6358

■ 86.3973, 87.3181,
91.7618

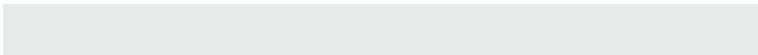
Harmonies

Analogous

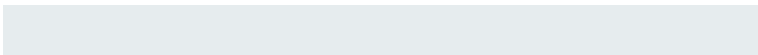
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7256, 82.8700, 89.6813



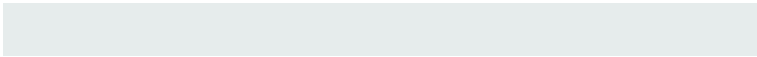
77.7689, 82.8700, 91.2535



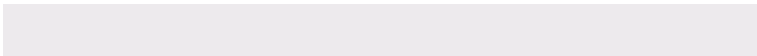
78.0785, 82.8700, 92.5662

Triad

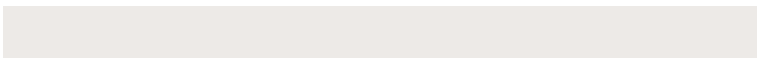
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7689, 82.8700, 91.2535



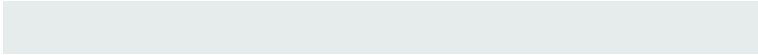
79.5765, 82.8700, 92.2188



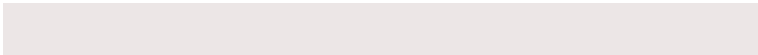
78.9581, 82.8700, 87.2729

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



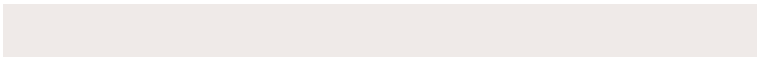
77.7689, 82.8700, 91.2535



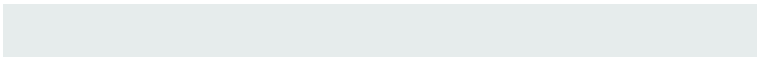
77.1749, 80.1419, 86.2684

Split Complementary

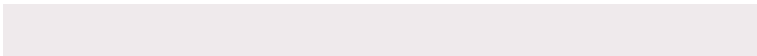
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.4564, 82.8700, 87.9361



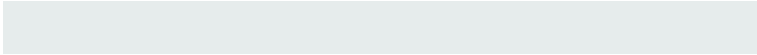
77.7689, 82.8700, 91.2535



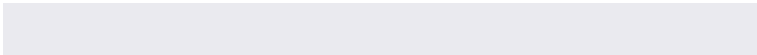
79.8146, 82.8700, 90.7837

Square

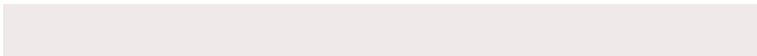
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



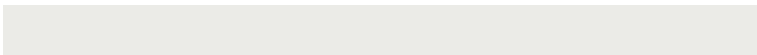
77.7689, 82.8700, 91.2535



79.1216, 82.8700, 93.1280



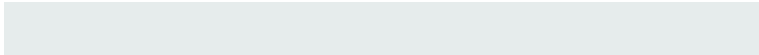
79.7705, 82.8700, 89.2168



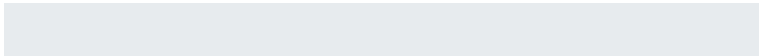
78.4104, 82.8700, 87.3954

Rectangle

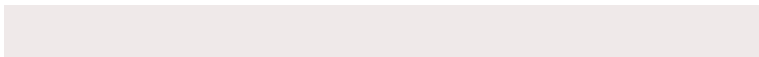
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



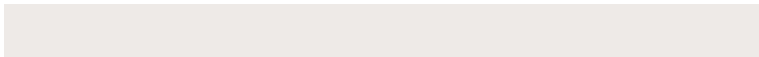
77.7689, 82.8700, 91.2535



78.3951, 82.8700, 93.1116



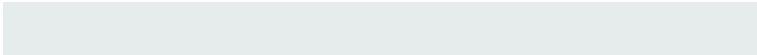
79.7705, 82.8700, 89.2168



79.1369, 82.8700, 87.4111

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



77.7713, 82.8735, 91.2553



94.1178, 99.5195, 108.8550



76.9460, 82.5471, 86.7419



20.1549, 21.3063, 23.2999



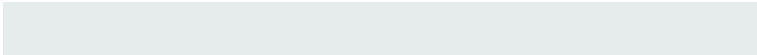
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

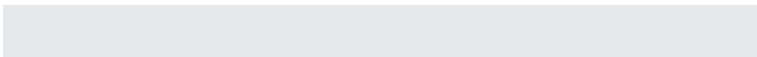
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7713, 82.8735, 91.2553



92.2905, 98.5775, 108.7668



76.9431, 81.2163, 90.9820



16.3844, 17.5687, 19.4489



24.8678, 36.4016, 49.3964



1.9529, 2.8585, 3.8795

Inverse Universe

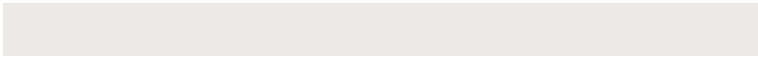
The Inverse Universe completely reimagines the original color for something new.



77.1749, 80.1419, 86.2684



91.4512, 94.7331, 101.7484



77.9887, 81.7703, 86.5370



16.1968, 16.7092, 17.8797



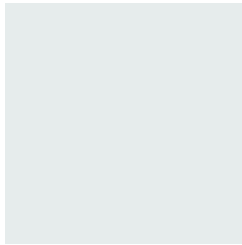
19.0684, 9.8301, 0.8957



1.4975, 0.7720, 0.0711

Previews

White Background



This preview shows how the XYZ color 77.7689, 82.8700, 91.2535 looks on a white background.

Color Contrast Check

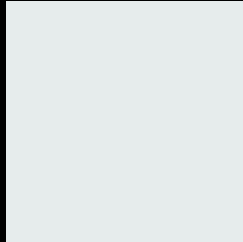
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 77.7689, 82.8700, 91.2535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

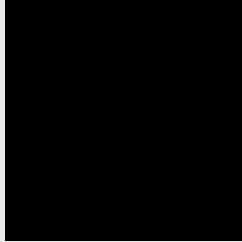
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

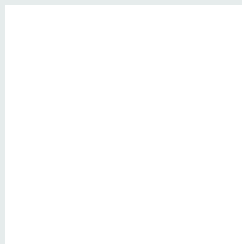
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.7689, 82.8700, 91.2535

Background



This preview shows how black text looks on a background with the XYZ color 77.7689, 82.8700, 91.2535.



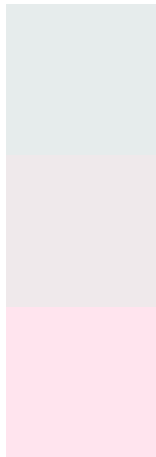
This preview shows how white text looks on a background with the XYZ color 77.7689, 82.8700,

91.2535.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77.7689, 82.8700, 91.2535

Protanopia

79.7309, 82.6267, 90.3435

Deuteranopia

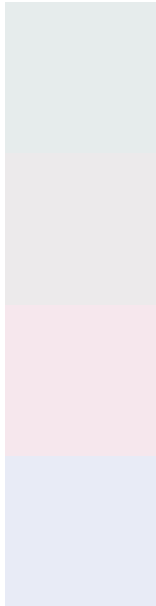
84.4160, 82.9199, 92.4448



Tritanopia

80.5978, 83.1976, 103.9062

Trichromacy



Original Color

77.7689, 82.8700, 91.2535

Protanomaly

79.0103, 82.6767, 90.3912

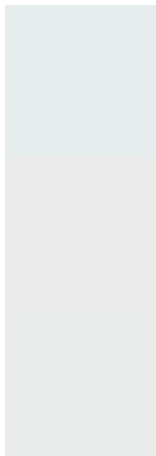
Deuteranomaly

81.8680, 82.8591, 91.7993

Tritanomaly

79.6216, 83.2263, 99.0566

Monochromacy



Original Color

77.7689, 82.8700, 91.2535

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.3080, 82.7385, 90.4401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7689, 82.8700, 91.2535 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(230, 236, 236) looks like.

```
.text, #text, p{  
    color:rgb(230, 236, 236)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(230, 236, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 236, 236) }
```

Border

The CSS property to change the border of an element to XYZ 77.7689, 82.8700, 91.2535 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(230, 236, 236) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(230, 236, 236) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(230, 236, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 236, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 236, 236);  
box-shadow:4px 4px 4px 4px rgb(230, 236,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7689, 82.8700, 91.2535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 236, 236) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(230,  
236, 236) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor