

Converting Colors

XYZ(77.9245, 83.9150, 96.2916)

Have a look what the booklet for
XYZ(77.9245, 83.9150, 96.2916)
contains.

XYZ(77.6529, 83.5674, 96.0418)	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(77.6529, 83.5674,
96.0418)**

Conversions

Conversions Part 1

Format	Color
Hex	E1EEF2
RGB	225, 238, 242
RGB Percent	88%, 93%, 95%
CMY	0.1176, 0.0666, 0.0510
CMYK	0.07, 0.02, 0.00, 0.05
HSL	194°, 40%, 92%
HSV	194°, 7%, 95%
XYZ	77.6529, 83.5674, 96.0418
YIQ	234.5690, -9.0320, -1.5120

Conversions

Conversions Part 2

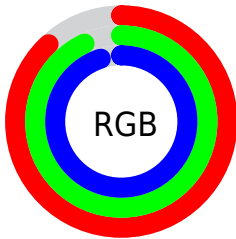
Format	Color
R _Y B	225, 232, 242
Decimal	14806770
CIE Lab	93.26, -3.54, -3.42
CIE LCh	93, 4.921, 224.076
Yxy	83.5674, 0.3018, 0.3248
Android (android.graphics.Color)	4292996850 (0xFFE1EEF2)
YUV	234.5690, 3.6635, -8.3920
Hunter-Lab	91.4152, -8.3493, 1.6999

Details

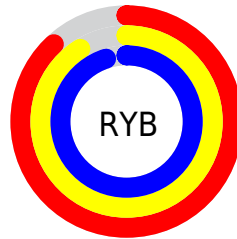
The XYZ color **77.6529, 83.5674, 96.0418** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.2283, 80.3516, 82.6219**, and the grayscale version is **78.6180, 82.7123, 90.0737**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1684, 45.5471, 53.0233** is the 20% darker color. If you saturate the color by 10%, you get **69.0071, 76.6924, 95.1718**, and if you desaturate by 10%, it is **87.4251, 91.1054, 96.9830**.

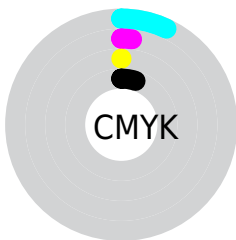
Distribution



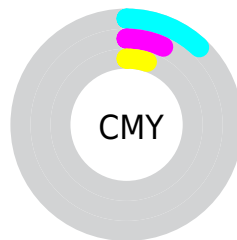
- Red (88%)
- Green (93%)
- Blue (95%)



- Red (88%)
- Yellow (91%)
- Blue (95%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)



- Cyan (12%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6529, 83.5674, 96.0418 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 77.6529, 83.5674, 96.0418 by changing the saturation by 10% instead.

■ 77.6529, 83.5674,
96.0418

■ 77.6529, 83.5674,
96.0418

475.8451,
506.8756, 568.5641

■ 58.0907, 62.6583,
72.4007

129.0287,
138.3699, 157.7110

■ 42.1251, 45.5649,
52.9972

161.5729,
173.0321, 196.5763

■ 29.3908, 31.9026,
37.4128

199.1752,
213.0474, 241.3533

■ 19.5224, 21.2871,
25.2290

242.2010,
258.8004, 292.4606

■ 12.1546, 13.3340,
16.0272

291.0155,
310.6752, 350.3169

■ 6.9220, 7.6590,
9.3888

345.9841,

■ 3.4593, 3.8775,

369.0565, 415.3405

4.8954

407.4722,
434.3285, 487.9501

■ 1.4010, 1.6053,
2.1284

■ 0.2570, 0.3612,
0.6326

■ 77.6529, 83.5674,
96.0418

■ 77.6529, 83.5674,
96.0418

■ 69.0071, 76.6924,
95.1718

■ 87.4251, 91.1054,
96.9830

■ 61.4353, 70.4457,
94.3651

■ 91.2616, 95.6596,
97.6599

■ 54.8915, 64.8053,
93.6213

■ 93.0273, 99.1909,
98.2484

■ 49.3235, 59.7434,
92.9377

■ 44.6744, 55.2301,
92.3116

■ 40.8809, 51.2320,
91.7398

■ 37.8715, 47.7114,
91.2189

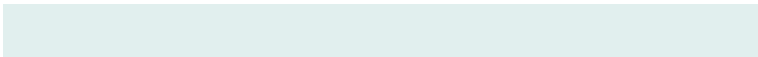
■ 35.5624, 44.6243,
90.7447

■ 33.8460, 41.9146,
90.3122

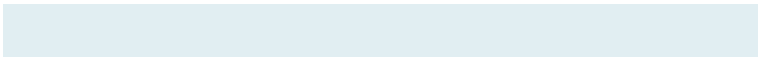
Harmonies

Analogous

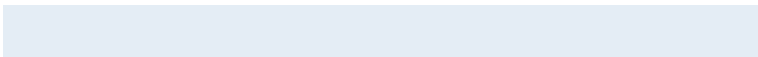
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0375, 83.5674, 92.7361



77.6529, 83.5674, 96.0418



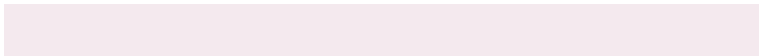
78.7471, 83.5674, 98.0217

Triad

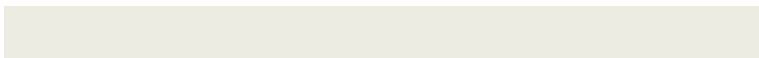
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6529, 83.5674, 96.0418



81.8468, 83.5674, 92.9612



78.8243, 83.5674, 84.2476

Complementary

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



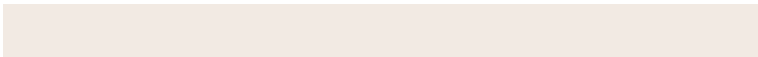
77.6529, 83.5674, 96.0418



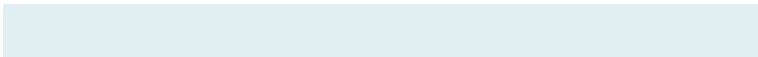
78.2283, 80.3516, 82.6219

Split Complementary

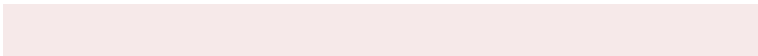
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1134, 83.5674, 84.3042



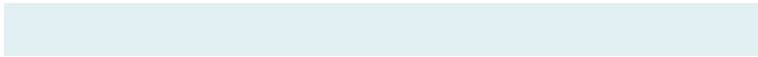
77.6529, 83.5674, 96.0418



81.8680, 83.5674, 89.2673

Square

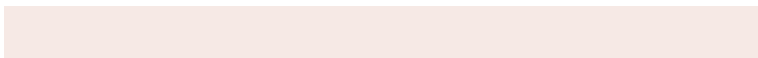
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



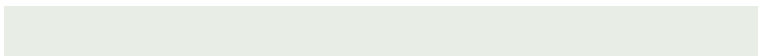
77.6529, 83.5674, 96.0418



81.1730, 83.5674, 96.2104



81.2306, 83.5674, 86.1199



77.7088, 83.5674, 85.9632

Rectangle

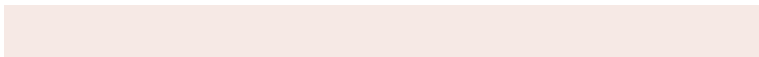
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



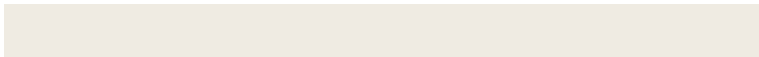
77.6529, 83.5674, 96.0418



79.6054, 83.5674, 98.2906



81.2306, 83.5674, 86.1199



79.2514, 83.5674, 84.0615

Sweetspot

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



77.6553, 83.5709, 96.0436



92.8172, 98.2829, 108.6863



76.9431, 85.1685, 86.4896



19.8901, 21.0547, 23.2656



0.0000, 0.0000, 0.0000



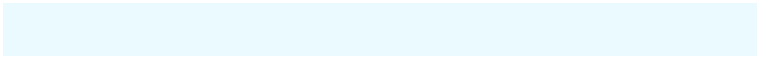
20.3446, 21.4041, 23.3091

Same Dimension

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



77.6553, 83.5709, 96.0436



86.4281, 93.3124, 108.0636



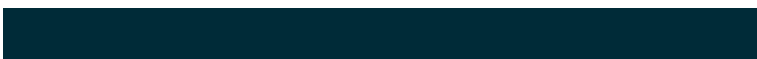
75.2469, 78.7541, 95.2408



15.9141, 17.2623, 20.2148



18.0521, 22.3284, 48.4862



1.5769, 2.0078, 4.0587

Inverse Universe

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



78.9777, 78.9024, 91.9601



88.1213, 87.3628, 102.8287



80.6294, 85.1539, 83.4223



16.2861, 15.9641, 19.0627



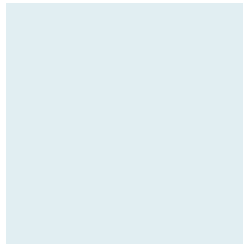
24.4375, 12.0474, 26.0181



2.0709, 1.0174, 2.3642

Previews

White Background



This preview shows how the XYZ color 77.6529, 83.5674, 96.0418 looks on a white background.

Color Contrast Check

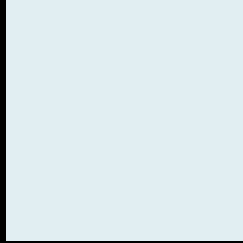
Large Text (above 18pt) WCAG AA × Fail

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 77.6529, 83.5674, 96.0418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

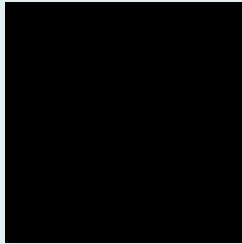
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

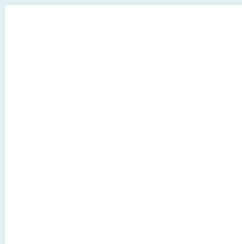
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.6529, 83.5674, 96.0418

Background



This preview shows how black text looks on a background with the XYZ color 77.6529, 83.5674, 96.0418.



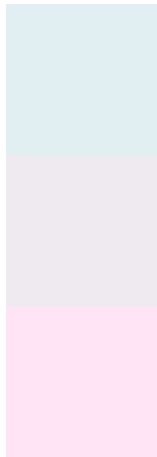
This preview shows how white text looks on a background with the XYZ color 77.6529, 83.5674,

96.0418.

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

77.6529, 83.5674, 96.0418

Protanopia

80.4109, 83.3141, 94.2812

Deuteranopia

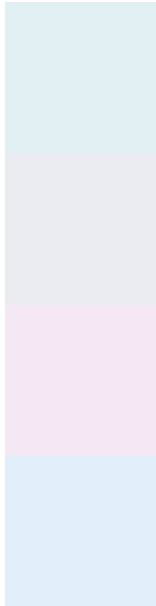
84.9456, 83.0893, 97.1487



Tritanopia

79.7240, 83.5418, 106.5310

Trichromacy



Original Color

77.6529, 83.5674, 96.0418

Protanomaly

79.1898, 83.0912, 95.0835

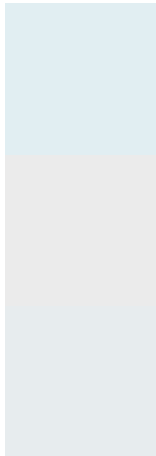
Deuteranomaly

81.9964, 83.2390, 96.5391

Tritanomaly

78.9035, 83.6393, 102.4278

Monochromacy



Original Color

77.6529, 83.5674, 96.0418

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.3831, 83.1529, 92.8078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6529, 83.5674, 96.0418 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(225, 238, 242)` looks like.

```
.text, #text, p{  
    color:rgb(225, 238, 242)  
}
```

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(225, 238, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 238, 242) }
```

Border

The CSS property to change the border of an element to XYZ 77.6529, 83.5674, 96.0418 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(225, 238, 242) }
```


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

```
.border{ border-color:rgb(225, 238, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 238, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 238, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 238, 242);  
box-shadow:4px 4px 4px 4px rgb(225, 238,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6529, 83.5674, 96.0418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 238, 242) }
```

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

```
.background{ background-color: rgb(225,  
238, 242) }
```

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