

Converting Colors

XYZ(77.5063, 82.3711, 92.8436)

Have a look what the booklet for
XYZ(77.5063, 82.3711, 92.8436)
contains.

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Color

**XYZ(77.4540, 82.2477,
92.6821)**

Conversions

Conversions Part 1

Format	Color
Hex	E5EBEE
RGB	229, 235, 238
RGB Percent	90%, 92%, 93%
CMY	0.1020, 0.0784, 0.0667
CMYK	0.04, 0.01, 0.00, 0.07
HSL	200°, 21%, 92%
HSV	200°, 4%, 93%
XYZ	77.4540, 82.2477, 92.6821
YIQ	233.5480, -4.5390, -0.3390

Conversions

Conversions Part 2

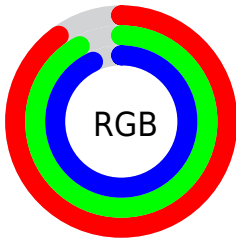
Format	Color
R _Y B	229, 233, 238
Decimal	15068142
CIE Lab	92.68, -1.44, -2.16
CIE LCh	93, 2.595, 236.226
Yxy	82.2477, 0.3069, 0.3259
Android (android.graphics.Color)	4293258222 (0xFFE5EBEE)
YUV	233.5480, 2.1948, -3.9886
Hunter-Lab	90.6905, -6.2609, 2.8913

Details

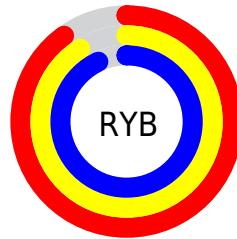
The XYZ color **77.4540, 82.2477, 92.6821** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.2595, 81.5466, 85.7452**, and the grayscale version is **77.8535, 81.9079, 89.1978**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0192, 44.6163, 50.6531** is the 20% darker color. If you saturate the color by 10%, you get **68.1569, 74.1641, 91.6131**, and if you desaturate by 10%, it is **87.8980, 91.0771, 93.8371**.

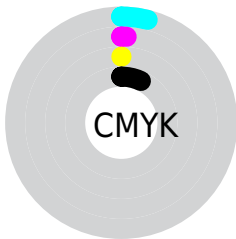
Distribution



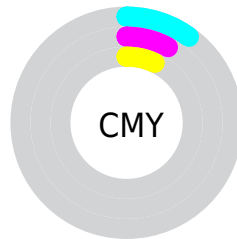
- Red (90%)
- Green (92%)
- Blue (93%)



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



- Cyan (4%)
- Magenta (1%)
- Yellow (0%)
- Black (7%)



- Cyan (10%)
- Magenta (8%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4540, 82.2477, 92.6821 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 77.4540, 82.2477, 92.6821 by changing the saturation by 10% instead.

■ 77.4540, 82.2477,
92.6821

■ 77.4540, 82.2477,
92.6821

475.1788,
502.4759, 557.5112

■ 57.9268, 61.5697,
69.6211

128.7496,
136.5213, 153.0263

■ 41.9928, 44.6851,
50.7428

161.2487,
170.8857, 191.1466

■ 29.2868, 31.2095,
35.6287

198.8025,
210.5811, 235.1238

■ 19.4432, 20.7584,
23.8601

241.7762,
255.9918, 285.3763

■ 12.0969, 12.9475,
15.0187

290.5354,
307.5022, 342.3228

■ 6.8824, 7.3924,
8.6857

345.4453,

■ 3.4343, 3.7087,

365.4968, 406.3817

4.4428

406.8713,
430.3599, 477.9717

■ 1.3874, 1.5120,
1.8712

■ 0.2472, 0.2971,
0.4743

■ 77.4540, 82.2477,
92.6821

■ 77.4540, 82.2477,
92.6821

■ 68.1569, 74.1641,
91.6131

■ 87.8980, 91.0771,
93.8371

■ 59.9561, 66.7915,
90.6222

■ 91.1238, 96.3351,
94.6820

■ 52.8079, 60.1075,
89.7089

■ 92.4329, 98.9531,
95.1184

■ 46.6624, 54.0847,
88.8702

■ 41.4658, 48.6930,
88.1034

■ 37.1584, 43.8997,
87.4053

■ 33.6737, 39.6684,
86.7722

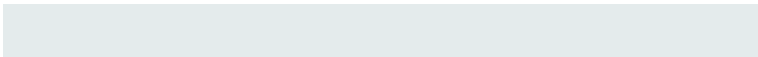
■ 30.9347, 35.9570,
86.2002

■ 28.8477, 32.7152,
85.6845

Harmonies

Analogous

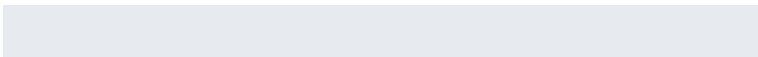
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0144, 82.2477, 91.2080



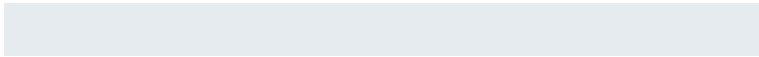
77.4540, 82.2477, 92.6821



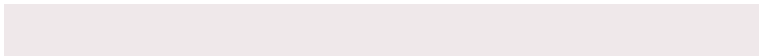
78.0885, 82.2477, 93.3177

Triad

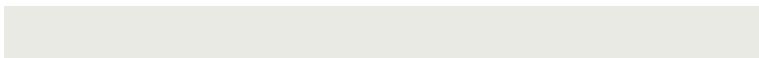
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4540, 82.2477, 92.6821



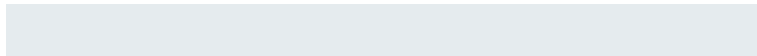
79.4774, 82.2477, 89.7989



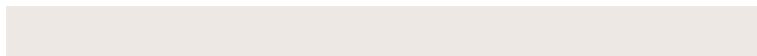
77.6013, 82.2477, 86.2575

Complementary

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



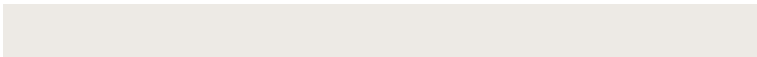
77.4540, 82.2477, 92.6821



78.2595, 81.5466, 85.7452

Split Complementary

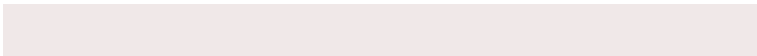
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2595, 82.2477, 85.8924



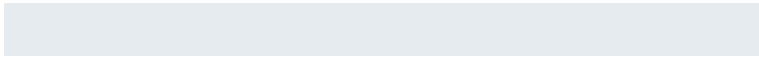
77.4540, 82.2477, 92.6821



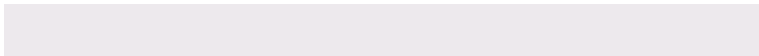
79.3451, 82.2477, 87.9197

Square

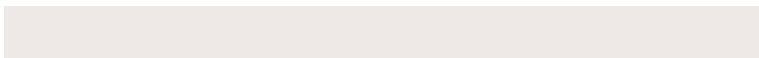
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



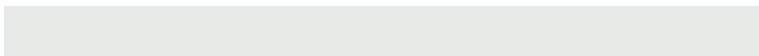
77.4540, 82.2477, 92.6821



79.2588, 82.2477, 91.6380



78.8984, 82.2477, 86.4966



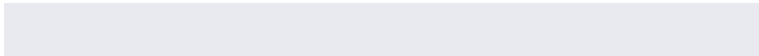
77.0991, 82.2477, 87.5013

Rectangle

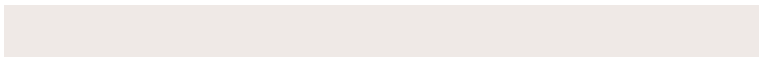
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



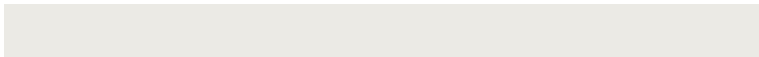
77.4540, 82.2477, 92.6821



78.5375, 82.2477, 93.1738



78.8984, 82.2477, 86.4966



77.8115, 82.2477, 86.0288

Sweetspot

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



77.4564, 82.2512, 92.6839



93.8478, 98.9791, 108.7663



77.4330, 83.6261, 88.2937



20.1000, 21.1964, 23.2819



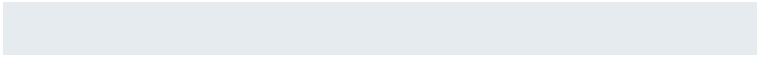
0.0000, 0.0000, 0.0000



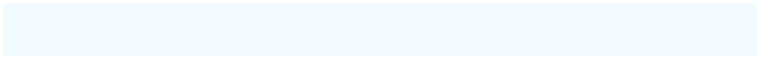
20.3446, 21.4041, 23.3091

Same Dimension

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



77.4564, 82.2512, 92.6839



89.1746, 94.9832, 108.2413



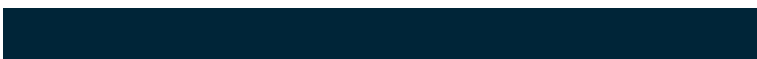
76.2249, 79.7884, 92.2734



16.5619, 17.6697, 20.2593



15.6282, 17.4807, 47.6783



1.3911, 1.6362, 3.9967

Inverse Universe

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



78.2764, 80.2154, 89.9589



90.4406, 91.8628, 104.0293



79.5003, 84.0283, 86.1588



16.8299, 17.0118, 19.3671



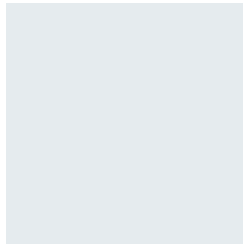
23.2140, 11.5580, 19.5754



1.9771, 0.9799, 1.8703

Previews

White Background



This preview shows how the XYZ color 77.4540, 82.2477, 92.6821 looks on a white background.

Color Contrast Check

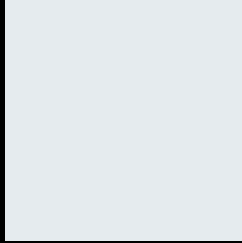
Large Text (above 18pt) WCAG AA × Fail

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 77.4540, 82.2477, 92.6821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

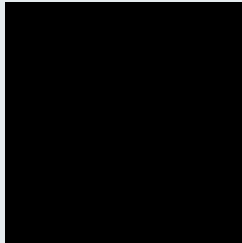
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

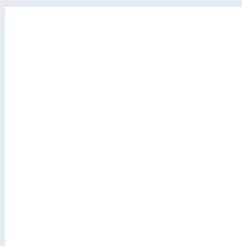
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.4540, 82.2477, 92.6821

Background



This preview shows how black text looks on a background with the XYZ color 77.4540, 82.2477, 92.6821.



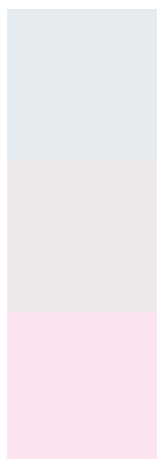
This preview shows how white text looks on a background with the XYZ color 77.4540, 82.2477,

92.6821.

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

77.4540, 82.2477, 92.6821

Protanopia

79.3500, 82.3968, 91.8427

Deuteranopia

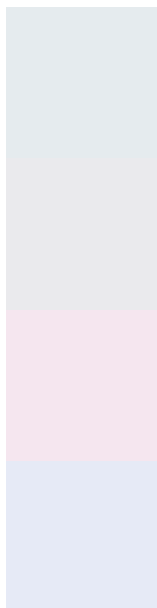
84.0703, 82.3003, 93.8926



Tritanopia

79.5065, 82.2318, 102.9487

Trichromacy



Original Color

77.4540, 82.2477, 92.6821

Protanomaly

78.6406, 82.4525, 91.8909

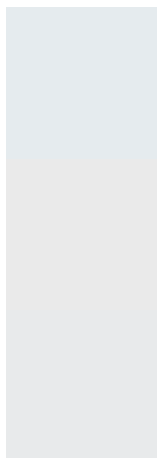
Deuteranomaly

81.5330, 82.2381, 93.2376

Tritanomaly

78.6905, 82.3225, 98.9312

Monochromacy



Original Color

77.4540, 82.2477, 92.6821

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.6969, 81.9996, 90.3297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4540, 82.2477, 92.6821 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(229, 235, 238) looks like.

```
.text, #text, p{  
    color:rgb(229, 235, 238)  
}
```

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(229, 235, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 235, 238) }
```

Border

The CSS property to change the border of an element to XYZ 77.4540, 82.2477, 92.6821 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(229, 235, 238) }
```


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

```
.border{ border-color:rgb(229, 235, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 235, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 235, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 235, 238);  
box-shadow:4px 4px 4px 4px rgb(229, 235,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4540, 82.2477, 92.6821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 235, 238) }
```

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

```
.background{ background-color: rgb(229,  
235, 238) }
```

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](#).

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