

Converting Colors

XYZ(77.6411, 85.1850, 85.8805)

Have a look what the booklet for
XYZ(77.6411, 85.1850, 85.8805)
contains.

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Color

**XYZ(77.4538, 85.0060,
85.7243)**

Conversions

Conversions Part 1

Format	Color
Hex	E4F1E4
RGB	228, 241, 228
RGB Percent	89%, 95%, 89%
CMY	0.1059, 0.0549, 0.1059
CMYK	0.05, 0.00, 0.05, 0.05
HSL	120°, 32%, 92%
HSV	120°, 5%, 95%
XYZ	77.4538, 85.0060, 85.7243
YIQ	235.6310, -3.5750, -6.7990

Conversions

Conversions Part 2

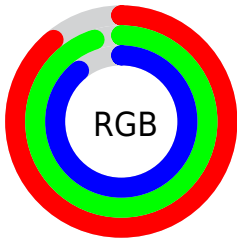
Format	Color
R _Y B	228, 241, 241
Decimal	15004132
CIE Lab	93.89, -6.62, 4.78
CIE LCh	94, 8.168, 144.169
Yxy	85.0060, 0.3121, 0.3425
Android (android.graphics.Color)	4293194212 (0xFFE4F1E4)
YUV	235.6310, -3.7621, -6.6924
Hunter-Lab	92.1987, -11.3944, 9.4126

Details

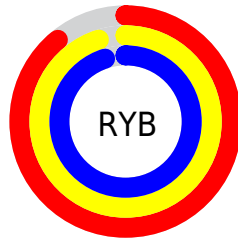
The XYZ color **77.4538, 85.0060, 85.7243** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.8993, 80.5406, 94.5581**, and the grayscale version is **79.4785, 83.6176, 91.0596**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1254, 46.5993, 46.3095** is the 20% darker color. If you saturate the color by 10%, you get **67.2189, 80.0922, 68.9813**, and if you desaturate by 10%, it is **89.2257, 90.6631, 104.9773**.

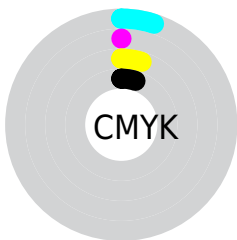
Distribution



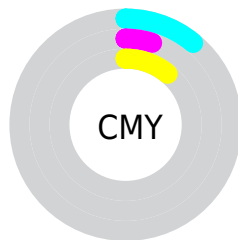
- Red (89%)
- Green (95%)
- Blue (89%)



- Red (89%)
- Yellow (95%)
- Blue (95%)



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



- Cyan (11%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4538, 85.0060, 85.7243 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 77.4538, 85.0060, 85.7243 by changing the saturation by 10% instead.

■ 77.4538, 85.0060,
85.7243

■ 77.4538, 85.0060,
85.7243

475.1781,
511.6479, 534.2287

■ 57.9266, 63.8463,
63.8864

128.7493,
140.3816, 143.2678

■ 41.9927, 46.5262,
46.1131

161.2484,
175.3662, 179.8106

■ 29.2867, 32.6613,
31.9858

198.8021,
215.7281, 222.0920

■ 19.4431, 21.8671,
21.0859

241.7758,
261.8514, 270.5307

■ 12.0968, 13.7593,
12.9950

290.5349,
314.1207, 325.5452

■ 6.8823, 7.9534,
7.2944

345.4448,

■ 3.4343, 4.0652,

372.9202, 387.5539

3.5657

406.8707,
438.6345, 456.9756

■ 1.3874, 1.7101,
1.3902

■ 0.2472, 0.4302,
0.1341

■ 77.4538, 85.0060,
85.7243

■ 77.4538, 85.0060,
85.7243

■ 67.2189, 80.0922,
68.9813

■ 89.2257, 90.6631,
104.9773

■ 58.4509, 75.8804,
54.6396

■ 90.7469, 91.3939,
107.4656

■ 51.0847, 72.3421,
42.5908

■ 45.0477, 69.4422,
32.7162

■ 40.2607, 67.1428,
24.8862

■ 36.6363, 65.4018,
18.9577

■ 34.0755, 64.1717,
14.7690

■ 32.4631, 63.3972,
12.1316

■ 31.6572, 63.0101,
10.8133

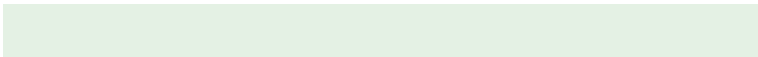
Harmonies

Analogous

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



79.0963, 85.0060, 82.0589



77.4538, 85.0060, 85.7243



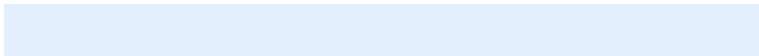
76.7081, 85.0060, 91.3461

Triad

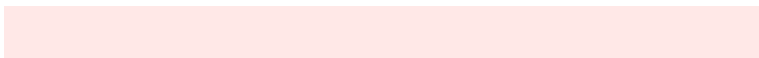
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4538, 85.0060, 85.7243



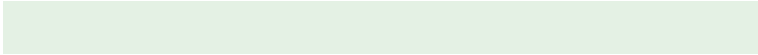
80.3717, 85.0060, 104.9848



84.6697, 85.0060, 87.7416

Complementary

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



77.4538, 85.0060, 85.7243



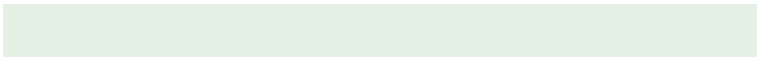
79.8993, 80.5406, 94.5581

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.



85.0259, 85.0060, 93.7787



77.4538, 85.0060, 85.7243



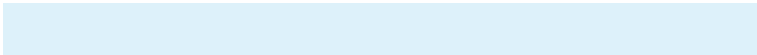
82.5192, 85.0060, 103.9145

Square

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



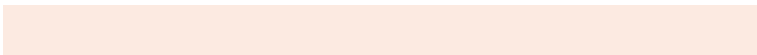
77.4538, 85.0060, 85.7243



78.3732, 85.0060, 102.6062



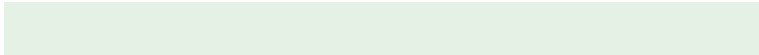
84.2323, 85.0060, 99.7436



83.2675, 85.0060, 83.1865

Rectangle

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



77.4538, 85.0060, 85.7243



76.8101, 85.0060, 95.5185



84.2323, 85.0060, 99.7436



84.9168, 85.0060, 89.6575

Sweetspot

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



77.4562, 85.0096, 85.7262



92.3882, 98.7214, 104.5461



81.7383, 87.2171, 85.9265



19.8027, 21.1438, 22.4228



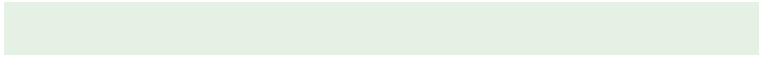
0.0000, 0.0000, 0.0000



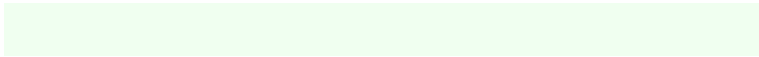
20.3446, 21.4041, 23.3091

Same Dimension

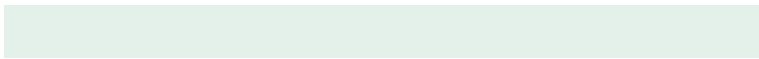
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.4562, 85.0096, 85.7262



87.2771, 96.2663, 96.1860



78.3761, 85.3776, 90.5704



16.2068, 17.9642, 17.7855



17.0575, 34.1150, 5.6859



1.4190, 2.8381, 0.4730

Inverse Universe

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



79.8993, 80.5406, 94.5581



90.3618, 90.6237, 107.3371



78.9451, 80.1589, 89.5331



16.8408, 16.8044, 20.0775



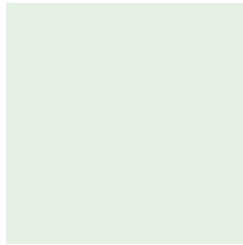
28.2811, 13.5849, 46.2583



2.3527, 1.1301, 3.8483

Previews

White Background



This preview shows how the XYZ color 77.4538, 85.0060, 85.7243 looks on a white background.

Color Contrast Check

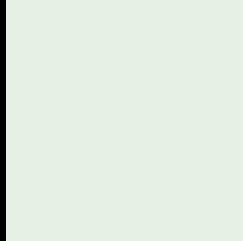
Large Text (above 18pt) WCAG AA × Fail

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 77.4538, 85.0060, 85.7243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

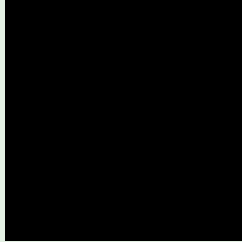
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

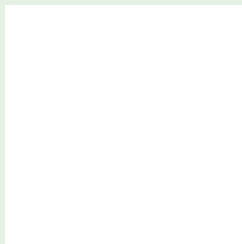
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.4538, 85.0060, 85.7243

Background



This preview shows how black text looks on a background with the XYZ color 77.4538, 85.0060, 85.7243.



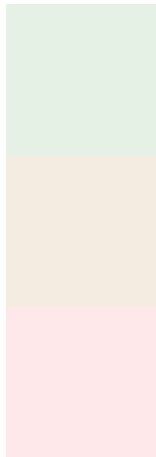
This preview shows how white text looks on a background with the XYZ color 77.4538, 85.0060,

85.7243.

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

77.4538, 85.0060, 85.7243

Protanopia

80.8943, 84.6602, 83.3116

Deuteranopia

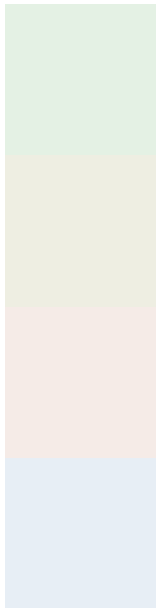
84.8046, 84.8564, 89.0000



Tritanopia

81.9385, 85.1120, 106.7174

Trichromacy



Original Color

77.4538, 85.0060, 85.7243

Protanomaly

79.5619, 84.8172, 84.1295

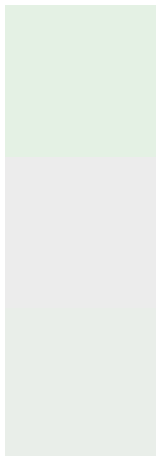
Deuteranomaly

81.7883, 84.5987, 87.6198

Tritanomaly

80.0110, 84.7306, 98.5238

Monochromacy



Original Color

77.4538, 85.0060, 85.7243

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.8868, 84.3559, 89.2153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4538, 85.0060, 85.7243 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(228, 241, 228) looks like.

```
.text, #text, p{  
    color:rgb(228, 241, 228)  
}
```

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(228, 241, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 241, 228) }
```

Border

The CSS property to change the border of an element to XYZ 77.4538, 85.0060, 85.7243 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(228, 241, 228) }
```


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

```
.border{ border-color:rgb(228, 241, 228) }
```

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

Here you see how a box with a 4 pixel rgb(228, 241, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 241, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 241, 228);  
box-shadow:4px 4px 4px 4px rgb(228, 241,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4538, 85.0060, 85.7243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 241, 228) }
```

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

```
.background{ background-color: rgb(228,  
241, 228) }
```

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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