

Converting Colors

XYZ(66.3163, 77.4410, 68.6968)

Have a look what the booklet for
XYZ(66.3163, 77.4410, 68.6968)
contains.

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Color

**XYZ(66.3481, 77.4724,
68.5835)**

Conversions

Conversions Part 1

Format	Color
Hex	CEECCC
RGB	206, 236, 204
RGB Percent	81%, 93%, 80%
CMY	0.1922, 0.0745, 0.2000
CMYK	0.13, 0.00, 0.14, 0.07
HSL	116°, 46%, 86%
HSV	116°, 14%, 93%
XYZ	66.3481, 77.4724, 68.5835
YIQ	223.3820, -7.6080, -16.3120

Conversions

Conversions Part 2

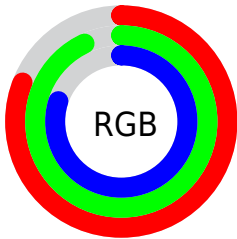
Format	Color
RYB	204, 236, 234
Decimal	13561036
CIELab	90.54, -15.68, 12.25
CIElCh	91, 19.893, 142.007
Yxy	77.4724, 0.3124, 0.3647
Android (android.graphics.Color)	4291751116 (0xFFCEECCC)
YUV	223.3820, -9.5553, -15.2440
Hunter-Lab	88.0184, -19.4793, 15.4144

Details

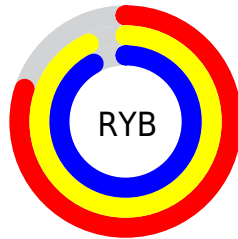
The XYZ color **66.3481, 77.4724, 68.5835** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.6682, 66.7366, 88.5178**, and the grayscale version is **70.4824, 74.1530, 80.7526**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.5888, 41.4238, 35.0267** is the 20% darker color. If you saturate the color by 10%, you get **58.0134, 73.4806, 54.5202**, and if you desaturate by 10%, it is **75.9808, 82.0882, 84.9497**.

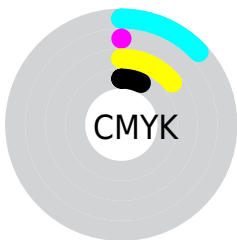
Distribution



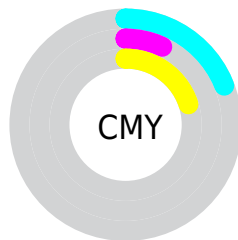
- Red (81%)
- Green (93%)
- Blue (80%)



- Red (80%)
- Yellow (93%)
- Blue (92%)



- Cyan (13%)
- Magenta (0%)
- Yellow (14%)
- Black (7%)



- Cyan (19%)
- Magenta (7%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.3481, 77.4724, 68.5835 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 66.3481, 77.4724, 68.5835 by changing the saturation by 10% instead.

■ 66.3481, 77.4724,
68.5835

■ 66.3481, 77.4724,
68.5835

437.0898,
486.3732, 474.2147

■ 48.8238, 57.6407,
49.9029

113.0408,
129.8061, 118.8486

■ 34.6937, 41.5198,
34.9656

142.9398,
163.0769, 151.2702

■ 23.5924, 28.7255,
23.3531

177.6945,
201.5961, 189.1092

■ 15.1546, 18.8733,
14.6467

217.6702,
245.7482, 232.7842

■ 9.0150, 11.5787,
8.4279

263.2322,
295.9176, 282.7137

■ 4.8082, 6.4575,
4.2783

314.7459,

■ 2.1687, 3.1252,

352.4886, 339.3163

1.7792

372.5767,
415.8457, 403.0104

■ 0.7262, 1.1975,
0.4142

■ 0.0000, 0.0596,
0.0000

■ 66.3481, 77.4724,
68.5835

■ 66.3481, 77.4724,
68.5835

■ 58.0134, 73.4806,
54.5202

■ 75.9808, 82.0882,
84.9497

■ 50.9151, 70.0766,
42.6518

■ 86.9569, 87.3428,
103.7103

■ 44.9962, 67.2357,
32.8691

■ 89.2870, 88.4740,
106.9790

■ 40.1927, 64.9275,
25.0517

■ 36.4345, 63.1186,
19.0667

■ 33.6436, 61.7722,
14.7650

■ 31.7310, 60.8460,
11.9740

■ 30.5911, 60.2902,
10.4842

■ 30.1898, 60.0934,
10.0080

Harmonies

Analogous

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



70.1072, 77.4724, 61.4106



66.3481, 77.4724, 68.5835



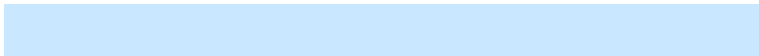
64.5593, 77.4724, 80.6005

Triad

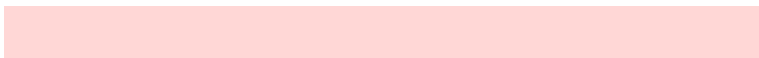
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.3481, 77.4724, 68.5835



72.3125, 77.4724, 114.5093



82.8686, 77.4724, 74.4956

Complementary

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



66.3481, 77.4724, 68.5835



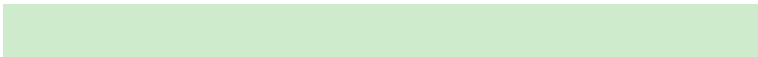
70.6682, 66.7366, 88.5178

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.



83.5241, 77.4724, 88.2229



66.3481, 77.4724, 68.5835



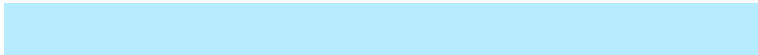
77.2796, 77.4724, 112.4006

Square

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



66.3481, 77.4724, 68.5835



67.9002, 77.4724, 107.8488



81.4372, 77.4724, 102.3744



79.6843, 77.4724, 64.5466

Rectangle

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



66.3481, 77.4724, 68.5835



64.6660, 77.4724, 90.1851



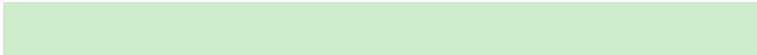
81.4372, 77.4724, 102.3744



83.3976, 77.4724, 78.7803

Sweetspot

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



66.3502, 77.4757, 68.5852



90.0198, 97.5916, 100.3187



74.8795, 80.9662, 68.8094



19.0717, 20.7946, 21.1380



0.0000, 0.0000, 0.0000



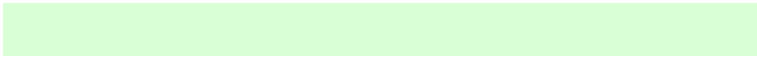
20.3446, 21.4041, 23.3091

Same Dimension

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



66.3502, 77.4757, 68.5852



76.4638, 91.0985, 77.3060



67.5373, 77.8868, 77.7146



14.9554, 16.9070, 15.9939



16.6762, 33.1414, 5.5180



1.3402, 2.6182, 0.4347

Inverse Universe

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



70.6682, 66.7366, 88.5178



82.4558, 76.1943, 104.9688



69.3904, 66.3017, 78.3439



15.6165, 15.2631, 19.0452



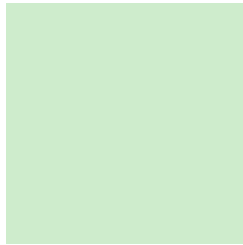
24.8671, 11.8554, 44.7206



1.9809, 0.9455, 3.5130

Previews

White Background



This preview shows how the XYZ color 66.3481, 77.4724, 68.5835 looks on a white background.

Color Contrast Check

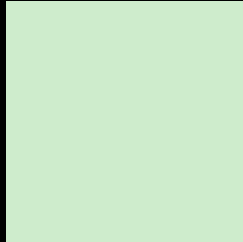
Large Text (above 18pt) WCAG AA × Fail

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 66.3481, 77.4724, 68.5835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

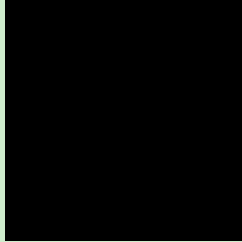
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

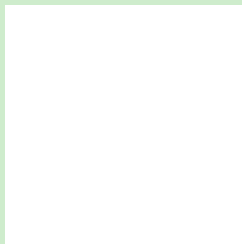
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.3481, 77.4724, 68.5835

Background



This preview shows how black text looks on a background with the XYZ color 66.3481, 77.4724, 68.5835.

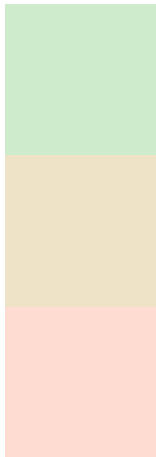


This preview shows how white text looks on a background with the XYZ color 66.3481, 77.4724,

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

66.3481, 77.4724, 68.5835

Protanopia

73.0378, 77.2388, 65.0919

Deuteranopia

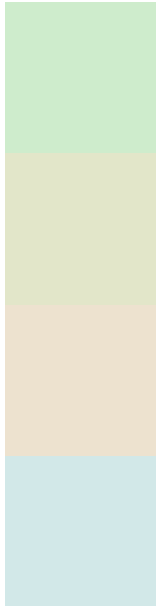
78.3418, 77.0498, 71.0646



Tritanopia

72.6807, 77.5171, 99.9385

Trichromacy



Original Color

66.3481, 77.4724, 68.5835

Protanomaly

70.2035, 76.9794, 66.4167

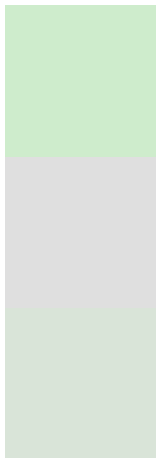
Deuteranomaly

73.3839, 76.9022, 70.0074

Tritanomaly

70.0004, 77.2411, 87.5635

Monochromacy



Original Color

66.3481, 77.4724, 68.5835

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.7533, 75.1964, 75.8564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3481, 77.4724, 68.5835 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(206, 236, 204) looks like.

```
.text, #text, p{  
    color:rgb(206, 236, 204)  
}
```

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(206, 236, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 236, 204) }
```

Border

The CSS property to change the border of an element to XYZ 66.3481, 77.4724, 68.5835 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(206, 236, 204) }
```


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

```
.border{ border-color:rgb(206, 236, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 236, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 236, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 236, 204); box-shadow:4px 4px 4px 4px rgb(206, 236, 204) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3481, 77.4724, 68.5835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 236, 204) }
```

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

```
.background{ background-color: rgb(206,  
236, 204) }
```

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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