

Converting Colors

XYZ(65.8293, 75.6051, 81.5902)

Have a look what the booklet for
XYZ(65.8293, 75.6051, 81.5902)
contains.

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Color

**XYZ(65.8822, 75.6654,
81.6535)**

Conversions

Conversions Part 1

Format	Color
Hex	C6E9E0
RGB	198, 233, 224
RGB Percent	78%, 91%, 88%
CMY	0.2235, 0.0863, 0.1216
CMYK	0.15, 0.00, 0.04, 0.09
HSL	165°, 44%, 85%
HSV	165°, 15%, 91%
XYZ	65.8822, 75.6654, 81.6535
YIQ	221.5090, -17.9710, -10.2190

Conversions

Conversions Part 2

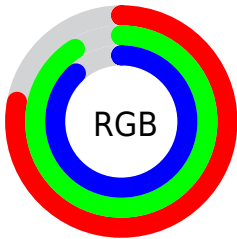
Format	Color
R _Y B	198, 218, 233
Decimal	13036000
CIE Lab	89.70, -13.12, 0.54
CIE LCh	90, 13.131, 177.633
Yxy	75.6654, 0.2952, 0.3390
Android (android.graphics.Color)	4291226080 (0xFFC6E9E0)
YUV	221.5090, 1.2281, -20.6174
Hunter-Lab	86.9859, -17.0312, 5.2347

Details

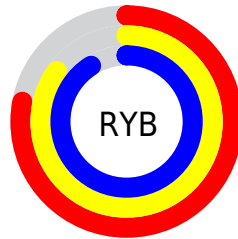
The XYZ color **65.8822, 75.6654, 81.6535** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.0636, 62.2189, 67.6152**, and the grayscale version is **69.0875, 72.6854, 79.1544**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.3852, 40.2381, 43.4906** is the 20% darker color. If you saturate the color by 10%, you get **59.4086, 72.4225, 77.1832**, and if you desaturate by 10%, it is **73.3336, 79.4132, 86.3223**.

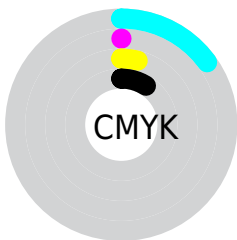
Distribution



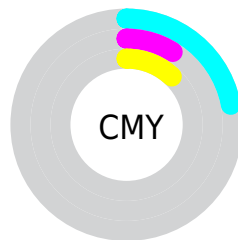
- Red (78%)
- Green (91%)
- Blue (88%)



- Red (78%)
- Yellow (85%)
- Blue (91%)



- Cyan (15%)
- Magenta (0%)
- Yellow (4%)
- Black (9%)



- Cyan (22%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.8822, 75.6654, 81.6535 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 65.8822, 75.6654, 81.6535 by changing the saturation by 10% instead.

65.8822, 75.6654,
81.6535

65.8822, 75.6654,
81.6535

435.4508,
480.2015, 520.3409

48.4441, 56.1582,
60.5458

112.3759,
127.2538, 137.5203

34.3914, 40.3298,
43.4306

142.1623,
160.1038, 173.1165

23.3588, 27.7957,
29.8892

176.7954,
198.1702, 214.3793

14.9808, 18.1717,
19.5032

216.6407,
241.8373, 261.7272

8.8921, 11.0734,
11.8539

262.0636,
291.4896, 315.5788

4.7274, 6.1162,
6.5230

313.4293,

2.1214, 2.9159,

347.5115, 376.3526

3.0917

371.1032,
410.2873, 444.4671

0.7008, 1.0880,
1.1417

0.0000, 0.0000,
0.0000

65.8822, 75.6654,
81.6535

65.8822, 75.6654,
81.6535

59.4086, 72.4225,
77.1832

73.3336, 79.4132,
86.3223

53.8630, 69.6526,
72.9028

81.7968, 83.6772,
91.1880

49.2008, 67.3349,
68.8102

86.4045, 85.9503,
96.0258

45.3712, 65.4432,
64.9016

87.3196, 86.3163,
100.8448

■ 42.3182, 63.9487,
61.1727

■ 88.2645, 86.6943,
105.8206

■ 39.9785, 62.8188,
57.6189

■ 88.4303, 86.7606,
106.6934

■ 38.2785, 62.0156,
54.2351

■ 37.1283, 61.4927,
51.0155

■ 36.6901, 61.3005,
49.4703

Harmonies

Analogous

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



66.7926, 75.6654, 73.2165



65.8822, 75.6654, 81.6535



66.5484, 75.6654, 90.9252

Triad

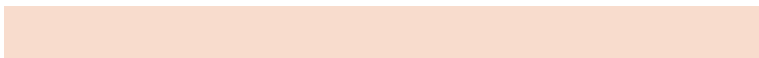
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.8822, 75.6654, 81.6535



74.8404, 75.6654, 99.1918



75.2980, 75.6654, 68.2424

Complementary

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



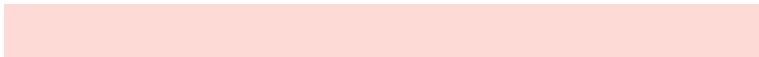
65.8822, 75.6654, 81.6535



65.0636, 62.2189, 67.6152

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.



77.5683, 75.6654, 74.4003



65.8822, 75.6654, 81.6535



77.2985, 75.6654, 92.2924

Square

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



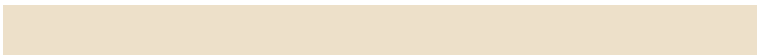
65.8822, 75.6654, 81.6535



71.6612, 75.6654, 101.4910



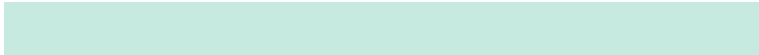
78.3110, 75.6654, 83.1244



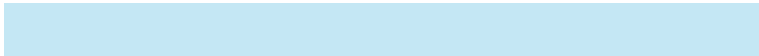
72.1748, 75.6654, 65.8443

Rectangle

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



65.8822, 75.6654, 81.6535



67.8084, 75.6654, 96.2568



78.3110, 75.6654, 83.1244



76.1897, 75.6654, 69.9175

Sweetspot

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



65.8843, 75.6686, 81.6552



89.9902, 97.4521, 105.9305



65.1598, 75.6718, 64.5993



19.1148, 20.7849, 22.5852



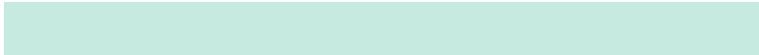
0.0000, 0.0000, 0.0000



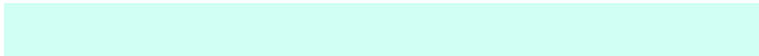
20.3446, 21.4041, 23.3091

Same Dimension

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



65.8843, 75.6686, 81.6552



78.2898, 91.5727, 98.4965



64.8793, 71.6522, 87.5052



15.3426, 17.0519, 18.4868



20.8708, 34.8028, 28.3482



1.6775, 2.7483, 2.4296

Inverse Universe

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



65.0636, 62.2189, 67.6152



77.1037, 72.1255, 78.1989



65.9113, 65.6261, 62.6206



15.2245, 15.1176, 16.4673



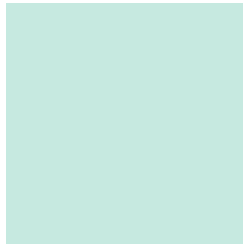
19.5722, 10.0316, 3.5487



1.5750, 0.8030, 0.4794

Previews

White Background



This preview shows how the XYZ color 65.8822, 75.6654, 81.6535 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 65.8822, 75.6654, 81.6535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

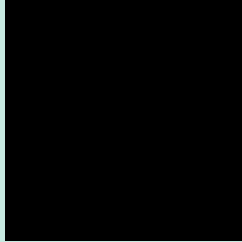
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

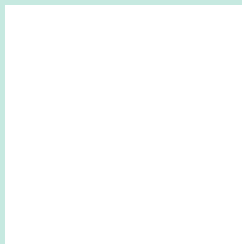
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.8822, 75.6654, 81.6535

Background



This preview shows how black text looks on a background with the XYZ color 65.8822, 75.6654, 81.6535.



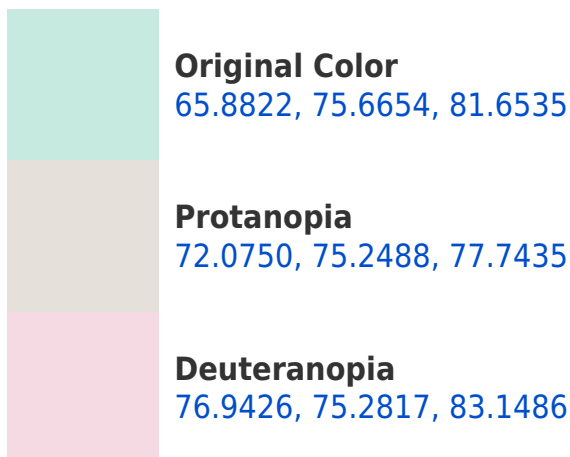
This preview shows how white text looks on a background with the XYZ color 65.8822, 75.6654,

81.6535.

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

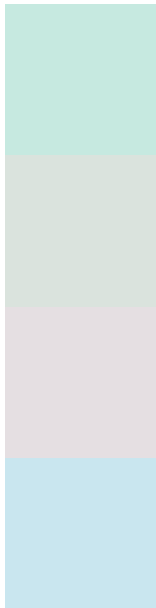




Tritanopia

69.3197, 75.3725, 99.7017

Trichromacy



Original Color

65.8822, 75.6654, 81.6535

Protanomaly

69.4337, 75.0641, 79.2359

Deuteranomaly

72.4282, 74.9244, 82.5960

Tritanomaly

67.9642, 75.2431, 92.6026

Monochromacy



Original Color

65.8822, 75.6654, 81.6535

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

67.9562, 73.8666, 80.4880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8822, 75.6654, 81.6535 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(198, 233, 224)` looks like.

```
.text, #text, p{  
    color:rgb(198, 233, 224)  
}
```

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(198, 233, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 233, 224) }
```

Border

The CSS property to change the border of an element to XYZ 65.8822, 75.6654, 81.6535 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(198, 233, 224) }
```


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

```
.border{ border-color:rgb(198, 233, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 233, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 233, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 233, 224);  
box-shadow:4px 4px 4px 4px rgb(198, 233,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8822, 75.6654, 81.6535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 233, 224) }
```

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

```
.background{ background-color: rgb(198,  
233, 224) }
```

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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