

Converting Colors

XYZ(66.4340, 80.3110, 96.4998)

Have a look what the booklet for
XYZ(66.4340, 80.3110, 96.4998)
contains.

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Color

**XYZ(66.6598, 80.5195,
96.8225)**

Conversions

Conversions Part 1

Format	Color
Hex	B1F4F3
RGB	177, 244, 243
RGB Percent	69%, 96%, 95%
CMY	0.3059, 0.0431, 0.0471
CMYK	0.27, 0.00, 0.00, 0.04
HSL	179°, 75%, 83%
HSV	179°, 27%, 96%
XYZ	66.6598, 80.5195, 96.8225
YIQ	223.8530, -39.6110, -14.5150

Conversions

Conversions Part 2

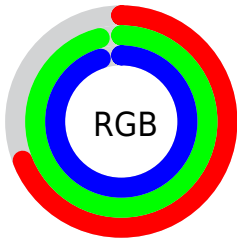
Format	Color
R_{YB}	177, 211, 244
Decimal	11662579
CIE _{Lab}	91.92, -20.93, -6.26
CIE _{LCh}	92, 21.844, 196.654
Yxy	80.5195, 0.2732, 0.3300
Android (android.graphics.Color)	4289852659 (0xFFB1F4F3)
YUV	223.8530, 9.4395, -41.0901
Hunter-Lab	89.7327, -24.4297, -1.1617

Details

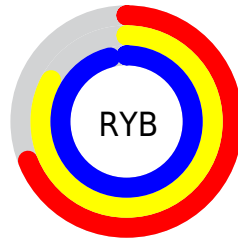
The XYZ color **66.6598, 80.5195, 96.8225** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.0691, 53.8940, 49.3065**, and the grayscale version is **70.7035, 74.3855, 81.0059**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **34.9789, 43.6919, 53.6035** is the 20% darker color. If you saturate the color by 10%, you get **61.5369, 77.8869, 96.2968**, and if you desaturate by 10%, it is **72.7812, 83.6709, 97.3989**.

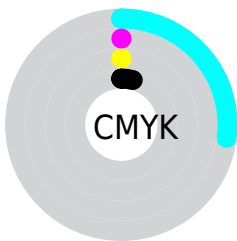
Distribution



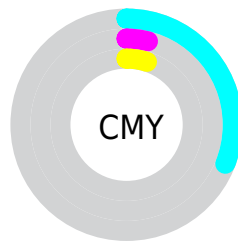
- Red (69%)
- Green (96%)
- Blue (95%)



- Red (69%)
- Yellow (83%)
- Blue (96%)



- Cyan (27%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)



- Cyan (31%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6598, 80.5195, 96.8225 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 66.6598, 80.5195, 96.8225 by changing the saturation by 10% instead.

66.6598, 80.5195,
96.8225

66.6598, 80.5195,
96.8225

438.1844,
496.6819, 571.1159

49.0779, 60.1459,
73.0475

113.4853,
134.0959, 158.7972

34.8961, 43.5363,
53.5228

143.4596,
168.0675, 197.8341

23.7490, 30.3061,
37.8297

178.2954,
207.3406, 242.7953

15.2712, 20.0711,
25.5497

218.3580,
252.2995, 294.0994

9.0975, 12.4467,
16.2643

264.0129,
303.3287, 352.1650

4.8625, 7.0487,
9.5550

315.6254,

2.2007, 3.4926,

360.8126, 417.4106

5.0032

373.5607,
425.1355, 490.2547

0.7431, 1.3940,
2.1904

0.0000, 0.2123,
0.6688

66.6598, 80.5195,
96.8225

66.6598, 80.5195,
96.8225

61.5369, 77.8869,
96.2968

72.7812, 83.6709,
97.3989

57.3524, 75.7361,
95.8139


79.9432, 87.3566,
98.0229


54.0509, 74.0405,
95.3729


88.1937, 91.6035,
98.6984


51.5681, 72.7669,
94.9708


89.9915, 92.5239,
99.0725

 49.8311, 71.8777,
94.6041


 90.0472, 92.5462,
99.3656


 48.7540, 71.3288,
94.2689


 90.1030, 92.5685,
99.6593

 48.2241, 71.0619,
93.9599

 90.1588, 92.5908,
99.9536

 48.1326, 71.0163,
93.8835

 90.2148, 92.6132,
100.2484

 90.2709, 92.6357,
100.5439

Harmonies

Analogous

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



66.5130, 80.5195, 80.7360



66.6598, 80.5195, 96.8225



69.3669, 80.5195, 112.0987

Triad

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



66.6598, 80.5195, 96.8225



84.6428, 80.5195, 110.6202



79.0471, 80.5195, 60.9294

Complementary

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



66.6598, 80.5195, 96.8225



61.0691, 53.8940, 49.3065

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.



84.1729, 80.5195, 67.0796



66.6598, 80.5195, 96.8225



87.5084, 80.5195, 94.9943

Square

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



66.6598, 80.5195, 96.8225



79.6631, 80.5195, 120.7064



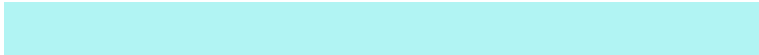
87.3324, 80.5195, 79.1171



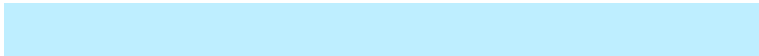
73.4828, 80.5195, 61.2922

Rectangle

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



66.6598, 80.5195, 96.8225



72.3379, 80.5195, 119.1872



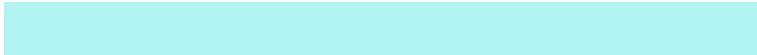
87.3324, 80.5195, 79.1171



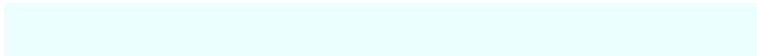
80.8839, 80.5195, 62.2683

Sweetspot

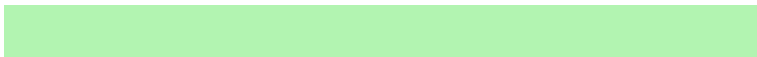
The Sweet Spot groups the original color and five complimentary colors.



66.6622, 80.5227, 96.8243



87.8899, 96.3145, 108.3085



58.6758, 77.3577, 53.4356



18.5425, 20.4765, 23.1595



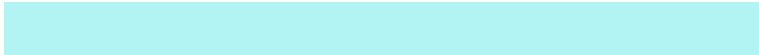
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



66.6622, 80.5227, 96.8243



70.3698, 87.3002, 106.6899



57.9107, 62.7769, 94.6565



16.9854, 18.7533, 21.2074



26.1757, 38.6151, 51.0724



2.3040, 3.3952, 4.5066

Inverse Universe

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



61.0691, 53.8940, 49.3065



63.2315, 53.3120, 46.0425



68.1415, 68.1995, 51.1690



16.5092, 16.4865, 17.1621



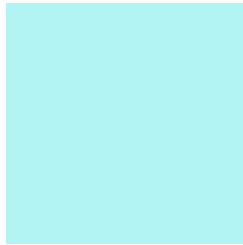
20.3014, 10.4640, 1.0298



1.7878, 0.9211, 0.1088

Previews

White Background



This preview shows how the XYZ color 66.6598, 80.5195, 96.8225 looks on a white background.

Color Contrast Check

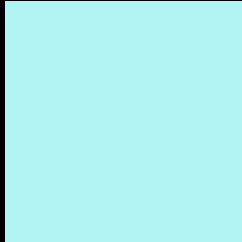
Large Text (above 18pt) WCAG AA × Fail

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 66.6598, 80.5195, 96.8225 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 66.6598, 80.5195, 96.8225

Background



This preview shows how black text looks on a background with the XYZ color 66.6598, 80.5195, 96.8225.

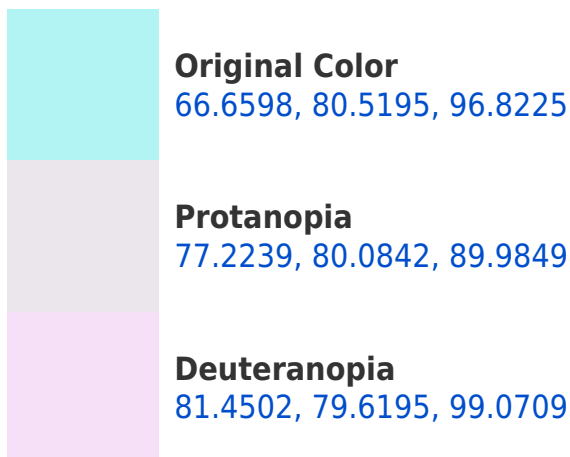


This preview shows how white text looks on a background with the XYZ color 66.6598, 80.5195,

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

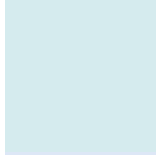
70.6547, 80.1595, 106.3562

Trichromacy



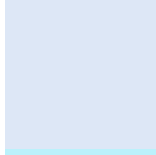
Original Color

66.6598, 80.5195, 96.8225



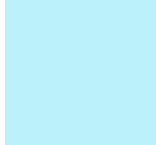
Protanomaly

72.5815, 79.7358, 92.4540



Deuteranomaly

75.0293, 79.1778, 98.5172



Tritanomaly

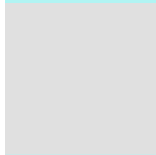
69.3614, 80.4404, 103.1376

Monochromacy



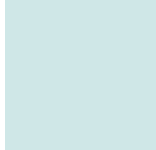
Original Color

66.6598, 80.5195, 96.8225



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

68.7318, 76.1867, 86.6843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6598, 80.5195, 96.8225 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(177, 244, 243)` looks like.

```
.text, #text, p{  
    color:rgb(177, 244, 243)  
}
```

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(177, 244, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 244, 243) }
```

Border

The CSS property to change the border of an element to XYZ 66.6598, 80.5195, 96.8225 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(177, 244, 243) }
```


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

```
.border{ border-color:rgb(177, 244, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 244, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 244, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 244, 243);  
box-shadow:4px 4px 4px 4px rgb(177, 244,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6598, 80.5195, 96.8225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 244, 243) }
```

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

```
.background{ background-color: rgb(177,  
244, 243) }
```

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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