

Converting Colors

XYZ(65.9306, 80.4697, 98.2849)

Have a look what the booklet for
XYZ(65.9306, 80.4697, 98.2849)
contains.

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Color

**XYZ(65.9284, 80.5553,
98.4601)**

Conversions

Conversions Part 1

Format	Color
Hex	ABF5F5
RGB	171, 245, 245
RGB Percent	67%, 96%, 96%
CMY	0.3294, 0.0392, 0.0392
CMYK	0.30, 0.00, 0.00, 0.04
HSL	180°, 79%, 82%
HSV	180°, 30%, 96%
XYZ	65.9284, 80.5553, 98.4601
YIQ	222.8740, -44.1040, -15.6880

Conversions

Conversions Part 2

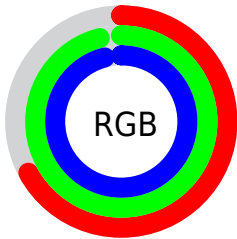
Format	Color
R _Y B	171, 208, 245
Decimal	11269621
CIE Lab	91.93, -22.63, -7.31
CIE LCh	92, 23.779, 197.906
Yxy	80.5553, 0.2692, 0.3289
Android (android.graphics.Color)	4289459701 (0xFFABF5F5)
YUV	222.8740, 10.9081, -45.4935
Hunter-Lab	89.7526, -25.9486, -2.2153

Details

The XYZ color **65.9284, 80.5553, 98.4601** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.5726, 51.4809, 45.3281**, and the grayscale version is **69.9992, 73.6446, 80.1989**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **34.5854, 43.7823, 54.7721** is the 20% darker color. If you saturate the color by 10%, you get **61.0790, 78.0574, 98.2341**, and if you desaturate by 10%, it is **71.7717, 83.5696, 98.7361**.

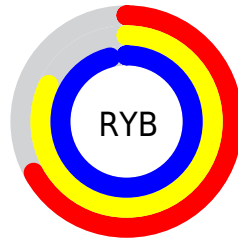
Distribution



Red (67%)

Green (96%)

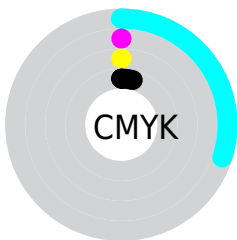
Blue (96%)



Red (67%)

Yellow (82%)

Blue (96%)

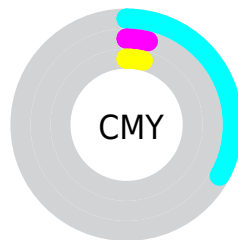


Cyan (30%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (33%)


Magenta (4%)


Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.9284, 80.5553, 98.4601 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 65.9284, 80.5553, 98.4601 by changing the saturation by 10% instead.


 65.9284, 80.5553,
98.4601

 65.9284, 80.5553,
98.4601


435.6134,
496.8023, 576.4487

 48.4818, 60.1754,
74.4054

 112.4419,
134.1462, 161.0728

 34.4214, 43.5600,
54.6271


142.2394,
168.1260, 200.4678

 23.3819, 30.3248,
38.7067

176.8846,
207.4078, 245.8135

 14.9980, 20.0852,
26.2256

216.7429,
252.3762, 297.5282

 8.9043, 12.4570,
16.7652

262.1796,
303.4154, 356.0305

 4.7354, 7.0557,
9.9070

313.5600,

 2.1260, 3.4970,

360.9099, 421.7390

5.2326

371.2495,
425.2440, 495.0722

0.7033, 1.3964,
2.3232

0.0000, 0.2140,
0.7442

65.9284, 80.5553,
98.4601

65.9284, 80.5553,
98.4601

61.0790, 78.0574,
98.2341

71.7717, 83.5696,
98.7361

57.1615, 76.0379,
98.0500

78.6522, 87.1166,
99.0588

54.1184, 74.4691,
97.9069

86.6195, 91.2239,
99.4325

51.8826, 73.3165,
97.8015

90.3760, 93.1605,
99.6090

■ 50.3774, 72.5406,
97.7303

■ 90.3762, 93.1605,
99.6098

■ 49.5113, 72.0941,
97.6890

■ 90.3763, 93.1606,
99.6106

■ 49.1344, 71.8998,
97.6706

■ 90.3765, 93.1606,
99.6113

■ 90.3766, 93.1607,
99.6121

■ 90.3768, 93.1608,
99.6129

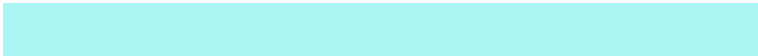
Harmonies

Analogous

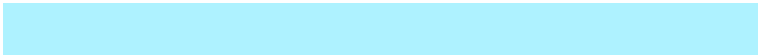
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.6499, 80.5553, 80.8534



65.9284, 80.5553, 98.4601



68.9619, 80.5553, 115.1014

Triad

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



65.9284, 80.5553, 98.4601



85.6118, 80.5553, 112.2360



79.0516, 80.5553, 58.7709

Complementary

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



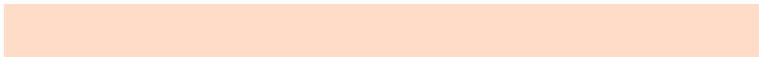
65.9284, 80.5553, 98.4601



59.5726, 51.4809, 45.3281

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.



84.7082, 80.5553, 65.0521



65.9284, 80.5553, 98.4601



88.6283, 80.5553, 94.9459

Square

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



65.9284, 80.5553, 98.4601



80.2320, 80.5553, 123.7533



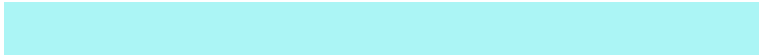
88.2891, 80.5553, 77.7742



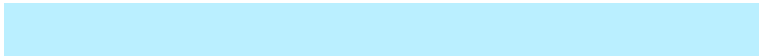
73.0122, 80.5553, 59.4491

Rectangle

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



65.9284, 80.5553, 98.4601



72.2339, 80.5553, 122.6992



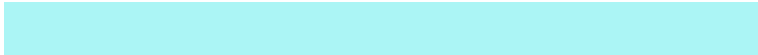
88.2891, 80.5553, 77.7742



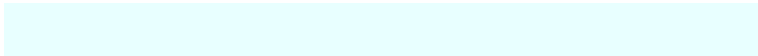
81.0666, 80.5553, 60.0999

Sweetspot

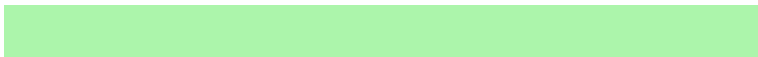
The Sweet Spot groups the original color and five complimentary colors.



65.9308, 80.5585, 98.4619



87.1048, 95.9041, 108.5274



57.0700, 77.0454, 50.3931



18.3888, 20.3959, 23.2174



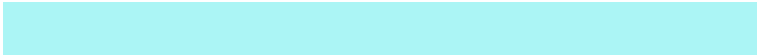
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

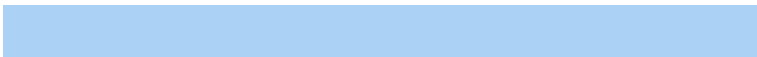
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.9308, 80.5585, 98.4619



68.9547, 86.5474, 107.6757



56.1361, 60.9686, 95.1993



16.9968, 18.7578, 21.2672



26.4686, 38.7323, 52.6150



2.3263, 3.4042, 4.6244

Inverse Universe

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



59.5726, 51.4809, 45.3281



61.0019, 50.1771, 41.2160



67.2660, 66.8682, 47.8913



16.4992, 16.4825, 17.1095



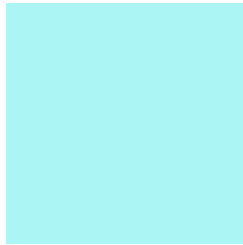
20.2862, 10.4579, 0.9496



1.7830, 0.9192, 0.0835

Previews

White Background



This preview shows how the XYZ color 65.9284, 80.5553, 98.4601 looks on a white background.

Color Contrast Check

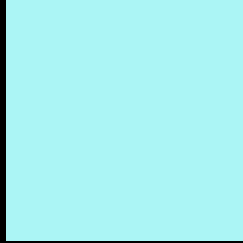
Large Text (above 18pt) WCAG AA × Fail

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 65.9284, 80.5553, 98.4601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

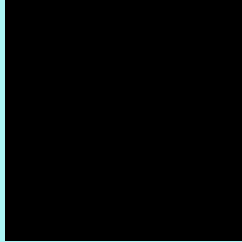
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.9284, 80.5553, 98.4601

Background



This preview shows how black text looks on a background with the XYZ color 65.9284, 80.5553, 98.4601.

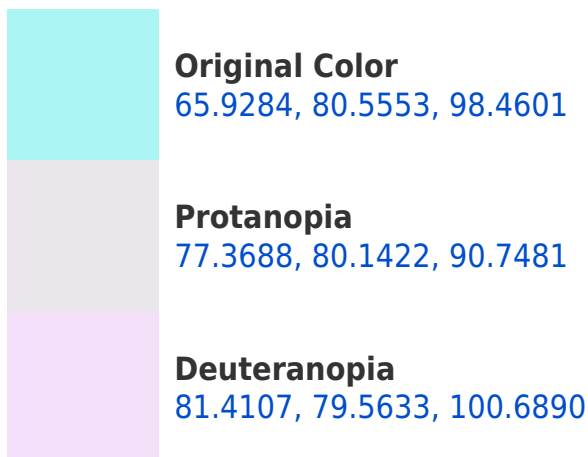


This preview shows how white text looks on a background with the XYZ color 65.9284, 80.5553,

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

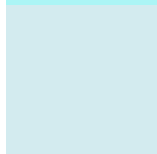
70.4453, 80.4873, 106.4305

Trichromacy



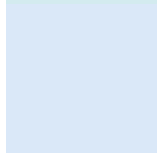
Original Color

65.9284, 80.5553, 98.4601



Protanomaly

72.1523, 79.4975, 93.2031



Deuteranomaly

74.7133, 79.3960, 100.1941



Tritanomaly

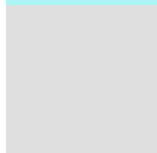
68.6932, 80.5366, 103.1914

Monochromacy



Original Color

65.9284, 80.5553, 98.4601



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.9016, 75.7587, 86.6454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9284, 80.5553, 98.4601 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(171, 245, 245)` looks like.

```
.text, #text, p{  
    color:rgb(171, 245, 245)  
}
```

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(171, 245, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 245, 245) }
```

Border

The CSS property to change the border of an element to XYZ 65.9284, 80.5553, 98.4601 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(171, 245, 245) }
```


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

```
.border{ border-color:rgb(171, 245, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 245, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 245, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 245, 245);  
box-shadow:4px 4px 4px 4px rgb(171, 245,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9284, 80.5553, 98.4601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 245, 245) }
```

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

```
.background{ background-color: rgb(171,  
245, 245) }
```

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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