

Converting Colors

XYZ(65.6870, 80.3929, 87.4420)

Have a look what the booklet for
XYZ(65.6870, 80.3929, 87.4420)
contains.

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Color

**XYZ(65.5969, 80.1742,
87.6191)**

Conversions

Conversions Part 1

Format	Color
Hex	B4F4E7
RGB	180, 244, 231
RGB Percent	71%, 96%, 91%
CMY	0.2941, 0.0431, 0.0941
CMYK	0.26, 0.00, 0.05, 0.04
HSL	168°, 74%, 83%
HSV	168°, 26%, 96%
XYZ	65.5969, 80.1742, 87.6191
YIQ	223.3820, -33.9710, -17.6110

Conversions

Conversions Part 2

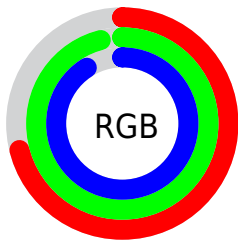
Format	Color
R _Y B	180, 216, 244
Decimal	11859175
CIE Lab	91.76, -22.64, -0.23
CIE LCh	92, 22.636, 180.579
Yxy	80.1742, 0.2811, 0.3435
Android (android.graphics.Color)	4290049255 (0xFFB4F4E7)
YUV	223.3820, 3.7557, -38.0460
Hunter-Lab	89.5400, -25.9263, 4.6600

Details

The XYZ color **65.5969, 80.1742, 87.6191** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.2580, 55.7281, 57.8780**, and the grayscale version is **70.4042, 74.0707, 80.6629**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **34.1785, 43.4216, 47.1372** is the 20% darker color. If you saturate the color by 10%, you get **59.7191, 77.2260, 83.7420**, and if you desaturate by 10%, it is **72.4990, 83.6524, 91.6511**.

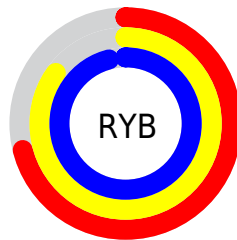
Distribution



Red (71%)

Green (96%)

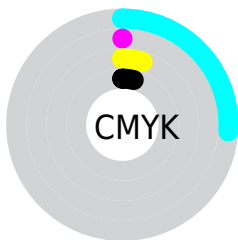
Blue (91%)



Red (71%)

Yellow (85%)

Blue (96%)

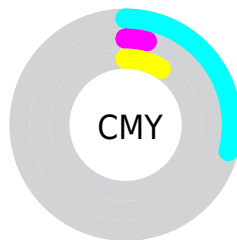


Cyan (26%)

Magenta (0%)

Yellow (5%)

Black (4%)



Cyan (29%)


Magenta (4%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.5969, 80.1742, 87.6191 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 65.5969, 80.1742, 87.6191 by changing the saturation by 10% instead.


 65.5969, 80.1742,
87.6191

 65.5969, 80.1742,
87.6191


434.4453,
495.5197, 540.6240

 48.2117, 59.8617,
65.4451


 111.9685,
133.6106, 145.9332

 34.2065, 43.3072,
47.3685


141.6857,
167.5033, 182.9104

 23.2160, 30.1262,
32.9706


176.2443,
206.6916, 225.6591

 14.8746, 19.9344,
21.8330

216.0096,
251.5598, 274.5979

 8.8172, 12.3474,
13.5371

261.3470,
302.4923, 330.1452

 4.6783, 6.9807,
7.6644

312.6218,

 2.0926, 3.4500,

359.8735, 392.7196

3.7963

370.1995,
424.0879, 462.7397

■ 0.6852, 1.3710,
1.5143

■ 0.0000, 0.1952,
0.2285

■ 65.5969, 80.1742,
87.6191

■ 65.5969, 80.1742,
87.6191

■ 59.7191, 77.2260,
83.7420

■ 72.4990, 83.6524,
91.6511

■ 54.8062, 74.7707,
80.0110

■ 80.4673, 87.6758,
95.8357

■ 50.8031, 72.7823,
76.4244

■ 89.5497, 92.2713,
100.1776

■ 47.6462, 71.2279,
72.9784

■ 90.9781, 92.9186,
104.2673

■ 45.2638, 70.0705,
69.6688

■ 91.6421, 93.1842,
107.7640

■ 43.5716, 69.2667,
66.4907

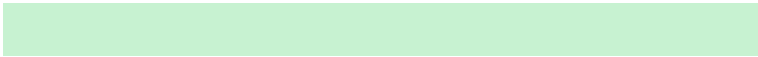
■ 42.4653, 68.7628,
63.4383

■ 42.1382, 68.6187,
62.3170

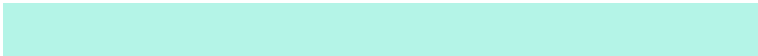
Harmonies

Analogous

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



66.9051, 80.1742, 72.5422



65.5969, 80.1742, 87.6191



67.0085, 80.1742, 104.5549

Triad

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



65.5969, 80.1742, 87.6191



82.0126, 80.1742, 117.7473



81.8078, 80.1742, 62.3491

Complementary

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



65.5969, 80.1742, 87.6191



63.2580, 55.7281, 57.8780

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.



86.2027, 80.1742, 72.0494



65.5969, 80.1742, 87.6191



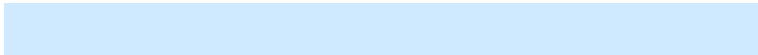
86.3251, 80.1742, 103.9259

Square

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



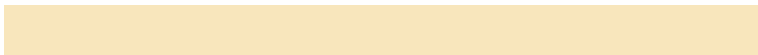
65.5969, 80.1742, 87.6191



76.3159, 80.1742, 123.2459



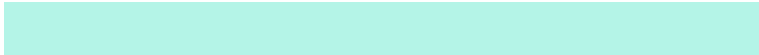
87.8952, 80.1742, 86.9738



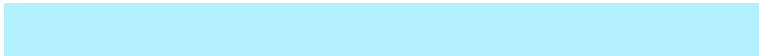
76.0906, 80.1742, 59.1201

Rectangle

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



65.5969, 80.1742, 87.6191



69.3453, 80.1742, 114.3367



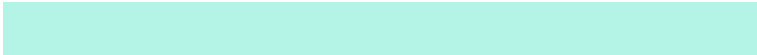
87.8952, 80.1742, 86.9738



83.4989, 80.1742, 64.8950

Sweetspot

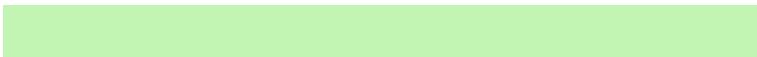
The Sweet Spot groups the original color and five complimentary colors.



65.5992, 80.1775, 87.6209



87.2788, 96.0701, 105.0906



62.8054, 79.4517, 55.2070



18.3874, 20.4145, 22.3431



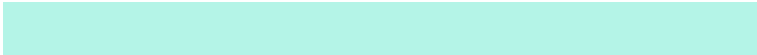
0.0000, 0.0000, 0.0000



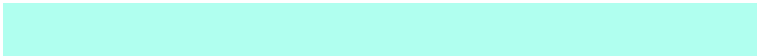
20.3446, 21.4041, 23.3091

Same Dimension

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



65.5992, 80.1775, 87.6209



69.2243, 86.9727, 94.7536



62.3141, 70.5581, 95.9265



16.8440, 18.6967, 20.4628



22.9620, 37.3297, 34.1495



2.0538, 3.2952, 3.1891

Inverse Universe

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



63.2580, 55.7281, 57.8780



66.2711, 56.0973, 57.2102



65.7737, 62.9800, 51.8712



16.6368, 16.5376, 17.8339



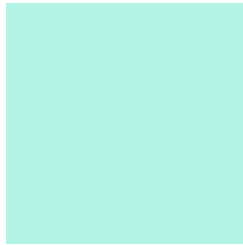
20.6331, 10.5967, 2.7764



1.8488, 0.9455, 0.4302

Previews

White Background



This preview shows how the XYZ color 65.5969, 80.1742, 87.6191 looks on a white background.

Color Contrast Check

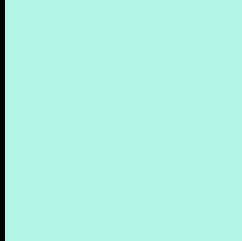
Large Text (above 18pt) WCAG AA × Fail

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 65.5969, 80.1742, 87.6191 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 65.5969, 80.1742, 87.6191

Background



This preview shows how black text looks on a background with the XYZ color 65.5969, 80.1742, 87.6191.

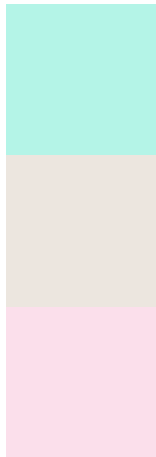


This preview shows how white text looks on a background with the XYZ color 65.5969, 80.1742,

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

65.5969, 80.1742, 87.6191

Protanopia

76.2082, 79.7542, 81.1895

Deuteranopia

81.1667, 79.2827, 89.6224



Tritanopia

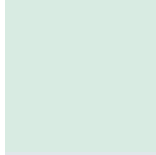
70.6169, 79.7065, 106.2707

Trichromacy



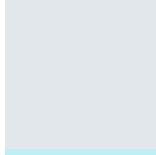
Original Color

65.5969, 80.1742, 87.6191



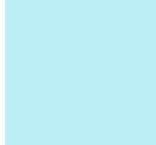
Protanomaly

71.7547, 79.5066, 83.5159



Deuteranomaly

74.4785, 79.0999, 89.1843



Tritanomaly

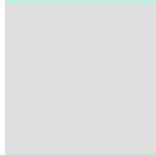
68.5337, 79.6654, 98.9536

Monochromacy



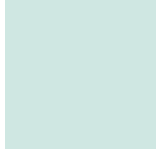
Original Color

65.5969, 80.1742, 87.6191



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

68.0355, 75.9082, 83.0174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.5969, 80.1742, 87.6191 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(180, 244, 231)` looks like.

```
.text, #text, p{  
    color:rgb(180, 244, 231)  
}
```

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(180, 244, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 244, 231) }
```

Border

The CSS property to change the border of an element to XYZ 65.5969, 80.1742, 87.6191 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(180, 244, 231) }
```


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

```
.border{ border-color:rgb(180, 244, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 244, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 244, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 244, 231);  
box-shadow:4px 4px 4px 4px rgb(180, 244,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 65.5969, 80.1742, 87.6191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 244, 231) }
```

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

```
.background{ background-color: rgb(180,  
244, 231) }
```

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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