

Converting Colors

XYZ(65.8748, 76.7384, 90.6969)

Have a look what the booklet for
XYZ(65.8748, 76.7384, 90.6969)
contains.

XYZ(65.8748, 76.7384, 90.6969)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(65.8748, 76.7384,
90.6969)**

Conversions

Conversions Part 1

Format	Color
Hex	BCECEC
RGB	188, 236, 236
RGB Percent	74%, 93%, 93%
CMY	0.2627, 0.0745, 0.0745
CMYK	0.20, 0.00, 0.00, 0.07
HSL	180°, 56%, 83%
HSV	180°, 20%, 93%
XYZ	65.8748, 76.7384, 90.6969
YIQ	221.6480, -28.6080, -10.1760

Conversions

Conversions Part 2

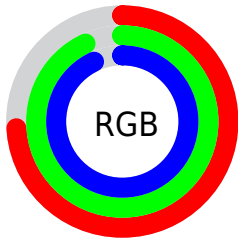
Format	Color
RYB	188, 212, 236
Decimal	12381420
CIELab	90.20, -15.28, -5.07
CIELCh	90, 16.101, 198.373
Yxy	76.7384, 0.2823, 0.3289
Android (android.graphics.Color)	4290571500 (0xFFBCECEC)
YUV	221.6480, 7.0755, -29.5093
Hunter-Lab	87.6005, -19.0703, -0.0654

Details

The XYZ color **65.8748, 76.7384, 90.6969** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.6551, 57.4323, 55.4161**, and the grayscale version is **69.1509, 72.7521, 79.2270**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **34.3910, 41.0061, 49.2824** is the 20% darker color. If you saturate the color by 10%, you get **60.5301, 73.9851, 90.4472**, and if you desaturate by 10%, it is **72.1747, 79.9881, 90.9945**.

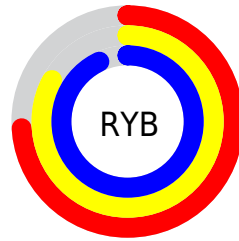
Distribution



Red (74%)

Green (93%)

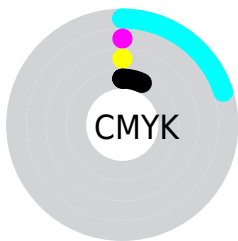
Blue (93%)



Red (74%)

Yellow (83%)

Blue (93%)

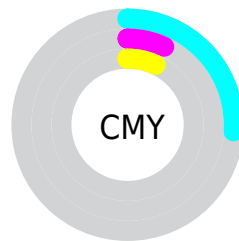


Cyan (20%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (26%)


Magenta (7%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.8748, 76.7384, 90.6969 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 65.8748, 76.7384, 90.6969 by changing the saturation by 10% instead.


 65.8748, 76.7384,
90.6969

 65.8748, 76.7384,
90.6969


435.4247,
483.8716, 550.9237

 48.4381, 57.0382,
67.9818


 112.3653,
128.7701, 150.2500

 34.3867, 41.0359,
49.4164


142.1499,
161.8705, 187.9251

 23.3551, 28.3471,
34.5819


176.7811,
200.2063, 231.4240

 14.9781, 18.5875,
23.0600

216.6244,
244.1620, 281.1652

 8.8902, 11.3726,
14.4321

262.0450,
294.1220, 337.5672

 4.7262, 6.3180,
8.2797

313.4084,

 2.1206, 3.0394,

350.4707, 401.0486

4.1841

371.0798,
413.5924, 472.0279

■ 0.7004, 1.1523,
1.7269

■ 0.0000, 0.0223,
0.3790

■ 65.8748, 76.7384,
90.6969

■ 65.8748, 76.7384,
90.6969

■ 60.5301, 73.9851,
90.4472

■ 72.1747, 79.9881,
90.9945

■ 56.0877, 71.6950,
90.2382

■ 79.4660, 83.7469,
91.3369

■ 52.4999, 69.8454,
90.0691

■ 86.3780, 87.3101,
91.6615

■ 49.7117, 68.4081,
89.9375

■ 86.3783, 87.3102,
91.6627

47.6621, 67.3515,
89.8404

86.3785, 87.3103,
91.6639

46.2808, 66.6395,
89.7746

86.3787, 87.3104,
91.6651

45.4846, 66.2290,
89.7362

86.3789, 87.3105,
91.6662

45.1356, 66.0492,
89.7187

86.3792, 87.3106,
91.6674

86.3794, 87.3107,
91.6686

Harmonies

Analogous

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



65.6560, 76.7384, 79.1912



65.8748, 76.7384, 90.6969



67.9437, 76.7384, 101.1372

Triad

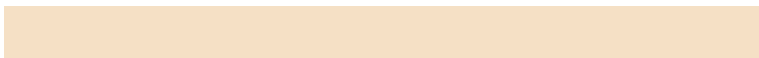
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.8748, 76.7384, 90.6969



78.8429, 76.7384, 99.0684



74.4996, 76.7384, 63.7721

Complementary

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



65.8748, 76.7384, 90.6969



61.6551, 57.4323, 55.4161

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.



78.1703, 76.7384, 68.1387



65.8748, 76.7384, 90.6969



80.7385, 76.7384, 88.0764

Square

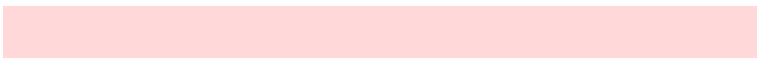
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.8748, 76.7384, 90.6969



75.3904, 76.7384, 106.2668



80.4879, 76.7384, 76.7984



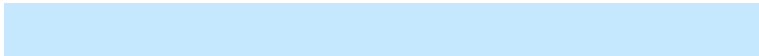
70.5385, 76.7384, 64.3344

Rectangle

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



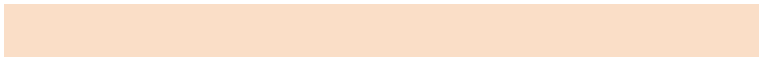
65.8748, 76.7384, 90.6969



70.1377, 76.7384, 105.7651



80.4879, 76.7384, 76.7984



75.8110, 76.7384, 64.6947

Sweetspot

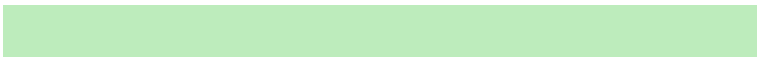
The Sweet Spot groups the original color and five complimentary colors.



65.8770, 76.7415, 90.6986



89.6433, 97.2127, 108.6461



60.0115, 74.4182, 58.7796



19.0671, 20.7455, 23.2491



0.0000, 0.0000, 0.0000



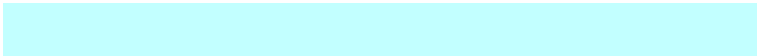
20.3446, 21.4041, 23.3091

Same Dimension

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



65.8770, 76.7415, 90.6986



76.0062, 90.1826, 108.0054



59.6256, 64.2379, 88.6170



15.5177, 17.1219, 19.4090



24.8785, 36.4059, 49.4525



1.9536, 2.8587, 3.8833

Inverse Universe

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



61.6551, 57.4323, 55.4161



70.2029, 63.6408, 59.5074



67.0159, 68.1544, 57.2014



15.0656, 15.0541, 15.6306



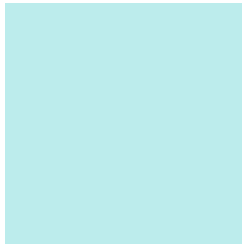
19.0678, 9.8298, 0.8927



1.4973, 0.7719, 0.0702

Previews

White Background



This preview shows how the XYZ color 65.8748, 76.7384, 90.6969 looks on a white background.

Color Contrast Check

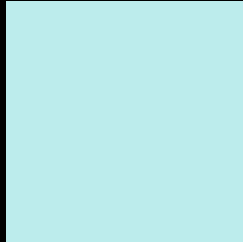
Large Text (above 18pt) WCAG AA × Fail

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 65.8748, 76.7384, 90.6969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

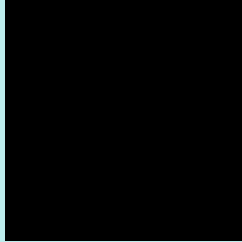
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.8748, 76.7384, 90.6969

Background



This preview shows how black text looks on a background with the XYZ color 65.8748, 76.7384, 90.6969.

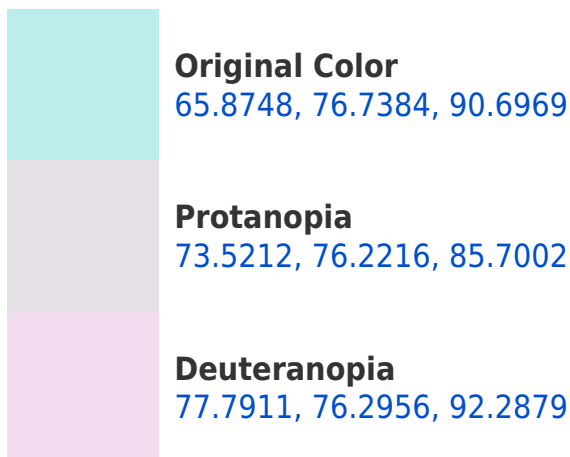


This preview shows how white text looks on a background with the XYZ color 65.8748, 76.7384,

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

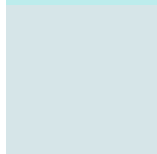
68.4794, 76.9503, 103.3391

Trichromacy



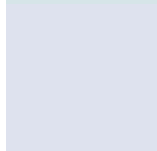
Original Color

65.8748, 76.7384, 90.6969



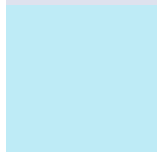
Protanomaly

70.3164, 76.1610, 87.3384



Deuteranomaly

72.7532, 76.0954, 91.7423



Tritanomaly

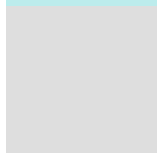
67.5781, 77.0176, 98.4929

Monochromacy



Original Color

65.8748, 76.7384, 90.6969



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

67.9126, 74.1859, 83.4130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8748, 76.7384, 90.6969 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(188, 236, 236)` looks like.

```
.text, #text, p{  
    color:rgb(188, 236, 236)  
}
```

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(188, 236, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 236, 236) }
```

Border

The CSS property to change the border of an element to XYZ 65.8748, 76.7384, 90.6969 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(188, 236, 236) }
```


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

```
.border{ border-color:rgb(188, 236, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 236, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 236, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 236, 236);  
box-shadow:4px 4px 4px 4px rgb(188, 236,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8748, 76.7384, 90.6969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 236, 236) }
```

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

```
.background{ background-color: rgb(188,  
236, 236) }
```

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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