

Converting Colors

XYZ(65.5881, 80.3407, 91.5668)

Have a look what the booklet for
XYZ(65.5881, 80.3407, 91.5668)
contains.

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Color

**XYZ(65.6972, 80.5911,
91.4499)**

Conversions

Conversions Part 1

Format	Color
Hex	B0F5EC
RGB	176, 245, 236
RGB Percent	69%, 96%, 93%
CMY	0.3098, 0.0392, 0.0745
CMYK	0.28, 0.00, 0.04, 0.04
HSL	172°, 78%, 83%
HSV	172°, 28%, 96%
XYZ	65.6972, 80.5911, 91.4499
YIQ	223.3430, -38.2350, -17.4270

Conversions

Conversions Part 2

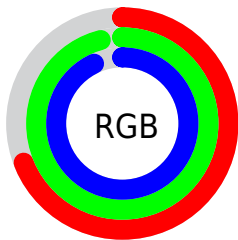
Format	Color
R _Y B	176, 213, 245
Decimal	11597292
CIE Lab	91.95, -23.21, -2.58
CIE LCh	92, 23.357, 186.342
Yxy	80.5911, 0.2763, 0.3390
Android (android.graphics.Color)	4289787372 (0xFFB0F5EC)
YUV	223.3430, 6.2399, -41.5198
Hunter-Lab	89.7725, -26.4724, 2.4430

Details

The XYZ color **65.6972, 80.5911, 91.4499** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.9413, 53.9681, 53.0543**, and the grayscale version is **70.3615, 74.0257, 80.6140**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **34.3210, 43.7554, 49.8168** is the 20% darker color. If you saturate the color by 10%, you get **60.1899, 77.8072, 88.7908**, and if you desaturate by 10%, it is **72.2172, 83.9002, 94.2033**.

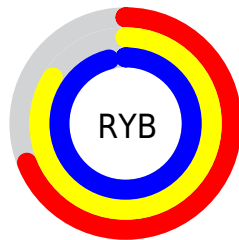
Distribution



Red (69%)

Green (96%)

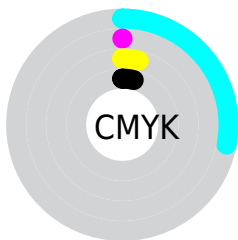
Blue (93%)



Red (69%)

Yellow (84%)

Blue (96%)

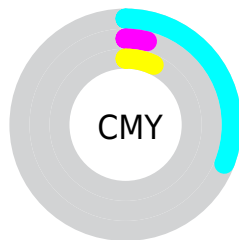


Cyan (28%)

Magenta (0%)

Yellow (4%)

Black (4%)



Cyan (31%)


Magenta (4%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.6972, 80.5911, 91.4499 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 65.6972, 80.5911, 91.4499 by changing the saturation by 10% instead.


 65.6972, 80.5911,
91.4499

 65.6972, 80.5911,
91.4499


434.7989,
496.9227, 553.4275

 48.2934, 60.2049,
68.6033


 112.1118,
134.1965, 151.3038

 34.2715, 43.5838,
49.9190


141.8533,
168.1844, 189.1482

 23.2662, 30.3434,
34.9783


176.4381,
207.4751, 232.8290

 14.9119, 20.0994,
23.3627

216.2315,
252.4528, 282.7647

 8.8435, 12.4673,
14.6538

261.5990,
303.5021, 339.3739

 4.6955, 7.0628,
8.4328

312.9058,

 2.1027, 3.5014,

361.0072, 403.0750

4.2814

370.5173,
425.3526, 474.2867

■ 0.6907, 1.3988,
1.7810

■ 0.0000, 0.2158,
0.4154

■ 65.6972, 80.5911,
91.4499

■ 65.6972, 80.5911,
91.4499

■ 60.1899, 77.8072,
88.7908

■ 72.2172, 83.9002,
94.2033

■ 55.6345, 75.5111,
86.2177

■ 79.7928, 87.7504,
97.0479

■ 51.9744, 73.6755,
83.7294

■ 88.4727, 92.1690,
99.9881

■ 49.1441, 72.2668,
81.3228

■ 90.9598, 93.3941,
102.6825

■ 47.0692, 71.2465,
78.9939

■ 91.4622, 93.5951,
105.3283

■ 45.6617, 70.5694,
76.7386

■ 91.9439, 93.7877,
107.8646

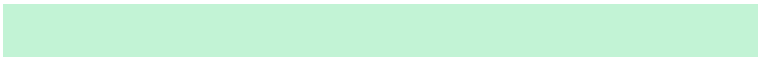
■ 44.7999, 70.1727,
74.5508

■ 44.6689, 70.1137,
74.1549

Harmonies

Analogous

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



66.5120, 80.5911, 75.1496



65.6972, 80.5911, 91.4499



67.6784, 80.5911, 108.8192

Triad

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



65.6972, 80.5911, 91.4499



83.6406, 80.5911, 117.1411



81.3222, 80.5911, 60.8353

Complementary

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



65.6972, 80.5911, 91.4499



61.9413, 53.9681, 53.0543

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.



86.2718, 80.5911, 69.5926



65.6972, 80.5911, 91.4499



87.6585, 80.5911, 101.6856

Square

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



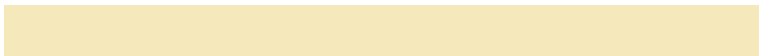
65.6972, 80.5911, 91.4499



77.8807, 80.5911, 124.8495



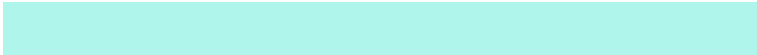
88.6456, 80.5911, 84.1513



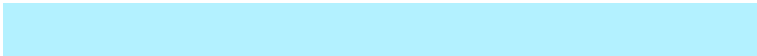
75.3323, 80.5911, 58.8410

Rectangle

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



65.6972, 80.5911, 91.4499



70.3823, 80.5911, 118.2202



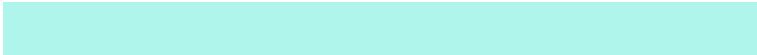
88.6456, 80.5911, 84.1513



83.1722, 80.5911, 63.0244

Sweetspot

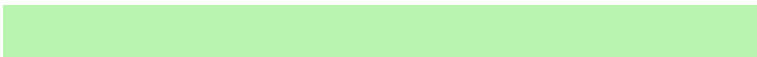
The Sweet Spot groups the original color and five complimentary colors.



65.6995, 80.5944, 91.4517



87.5134, 96.1639, 106.3258



60.5472, 78.7820, 53.0909



18.4469, 20.4383, 22.6561



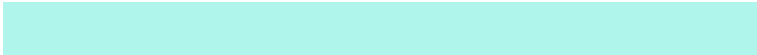
0.0000, 0.0000, 0.0000



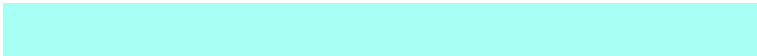
20.3446, 21.4041, 23.3091

Same Dimension

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



65.6995, 80.5944, 91.4517



68.2542, 86.3905, 98.4173



59.9028, 66.8544, 96.1370



16.8982, 18.7184, 20.7483



24.0998, 37.7848, 40.1411



2.1435, 3.3311, 3.6617

Inverse Universe

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



61.9413, 53.9681, 53.0543



63.4968, 52.6557, 49.7901



66.4520, 64.4629, 50.0158



16.5871, 16.5177, 17.5724



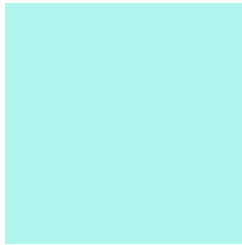
20.4540, 10.5251, 1.8334



1.8249, 0.9359, 0.3042

Previews

White Background



This preview shows how the XYZ color 65.6972, 80.5911, 91.4499 looks on a white background.

Color Contrast Check

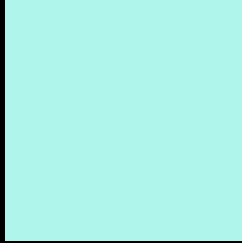
Large Text (above 18pt) WCAG AA × Fail

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 65.6972, 80.5911, 91.4499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

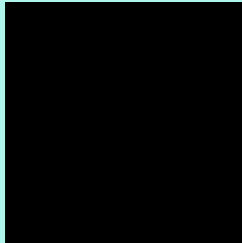
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.6972, 80.5911, 91.4499

Background



This preview shows how black text looks on a background with the XYZ color 65.6972, 80.5911, 91.4499.



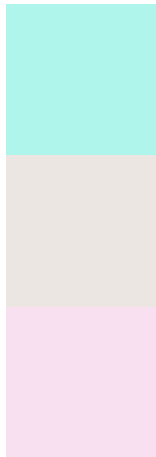
This preview shows how white text looks on a background with the XYZ color 65.6972, 80.5911,

91.4499.

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

65.6972, 80.5911, 91.4499

Protanopia

76.7540, 79.9725, 84.0639

Deuteranopia

81.4508, 79.7423, 93.5370



Tritanopia

70.9088, 80.2905, 106.3681

Trichromacy



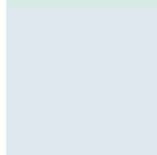
Original Color

65.6972, 80.5911, 91.4499



Protanomaly

71.7228, 79.4260, 86.4135



Deuteranomaly

74.5608, 79.4748, 93.0718



Tritanomaly

68.8921, 80.2527, 100.6663

Monochromacy



Original Color

65.6972, 80.5911, 91.4499



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

68.0331, 75.8751, 84.4584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.6972, 80.5911, 91.4499 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(176, 245, 236)` looks like.

```
.text, #text, p{  
    color:rgb(176, 245, 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(176, 245, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 245, 236) }
```

Border

The CSS property to change the border of an element to XYZ 65.6972, 80.5911, 91.4499 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(176, 245, 236) }
```


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

```
.border{ border-color:rgb(176, 245, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 245, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 245, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 245, 236);  
box-shadow:4px 4px 4px 4px rgb(176, 245,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 65.6972, 80.5911, 91.4499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 245, 236) }
```

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

```
.background{ background-color: rgb(176,  
245, 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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