

Converting Colors

XYZ(67.9698, 80.2567, 95.7887)

Have a look what the booklet for
XYZ(67.9698, 80.2567, 95.7887)
contains.

XYZ(68.0288, 80.3542, 95.9288)	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(68.0288, 80.3542,
95.9288)**

Conversions

Conversions Part 1

Format	Color
Hex	BAF2F2
RGB	186, 242, 242
RGB Percent	73%, 95%, 95%
CMY	0.2706, 0.0510, 0.0510
CMYK	0.23, 0.00, 0.00, 0.05
HSL	180°, 68%, 84%
HSV	180°, 23%, 95%
XYZ	68.0288, 80.3542, 95.9288
YIQ	225.2560, -33.3760, -11.8720

Conversions

Conversions Part 2

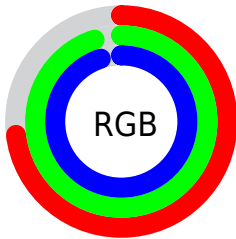
Format	Color
R_{YB}	186, 214, 242
Decimal	12251890
CIE _{Lab}	91.84, -17.59, -5.79
CIE _{LCh}	92, 18.518, 198.233
Yxy	80.3542, 0.2785, 0.3289
Android (android.graphics.Color)	4290441970 (0xFFBAF2F2)
YUV	225.2560, 8.2548, -34.4275
Hunter-Lab	89.6405, -21.4060, -0.7009

Details

The XYZ color **68.0288, 80.3542, 95.9288** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.0426, 57.5424, 54.2416**, and the grayscale version is **71.7137, 75.4484, 82.1633**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **35.7819, 43.4883, 52.9625** is the 20% darker color. If you saturate the color by 10%, you get **62.6407, 77.5786, 95.6773**, and if you desaturate by 10%, it is **74.4172, 83.6496, 96.2306**.

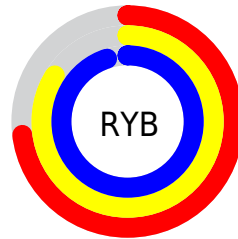
Distribution



Red (73%)

Green (95%)

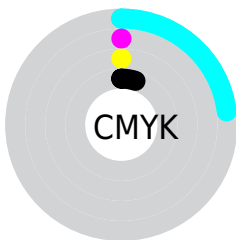
Blue (95%)



Red (73%)

Yellow (84%)

Blue (95%)

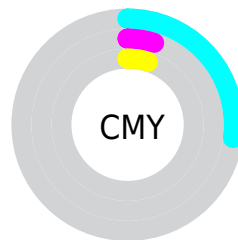


Cyan (23%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (27%)

Magenta (5%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0288, 80.3542, 95.9288 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 68.0288, 80.3542, 95.9288 by changing the saturation by 10% instead.

68.0288, 80.3542,
95.9288

68.0288, 80.3542,
95.9288

442.9732,
496.1257, 568.1943

50.1949, 60.0099,
72.3071

115.4350,
133.8636, 157.5538

35.7867, 43.4266,
52.9212

145.7381,
167.7975, 196.3941

24.4389, 30.2200,
37.3526

180.9283,
207.0300, 241.1444

15.7860, 20.0056,
25.1827

221.3709,
251.9455, 292.2232

9.4627, 12.3991,
15.9929

267.4313,
302.9284, 350.0491

5.1037, 7.0161,
9.3649

319.4750,

2.3436, 3.4722,

360.3632, 415.0405

4.8799

377.8671,
424.6341, 487.6161

0.8169, 1.3829,
2.1194

0.0000, 0.2041,
0.6273

68.0288, 80.3542,
95.9288

68.0288, 80.3542,
95.9288

62.6407, 77.5786,
95.6773

74.4172, 83.6496,
96.2306

58.1958, 75.2872,
95.4682

81.8456, 87.4790,
96.5793

54.6420, 73.4552,
95.3008

89.0215, 91.1783,
96.9162

51.9191, 72.0515,
95.1723

89.0217, 91.1784,
96.9173

■ 49.9598, 71.0415,
95.0795

■ 89.0219, 91.1785,
96.9184

■ 48.6861, 70.3849,
95.0188

■ 89.0221, 91.1786,
96.9195

■ 48.0034, 70.0330,
94.9858

■ 89.0223, 91.1786,
96.9206

■ 47.7792, 69.9174,
94.9745

■ 89.0225, 91.1787,
96.9217

■ 89.0227, 91.1788,
96.9228

Harmonies

Analogous

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



67.7824, 80.3542, 82.2688



68.0288, 80.3542, 95.9288



70.4543, 80.3542, 108.4738

Triad

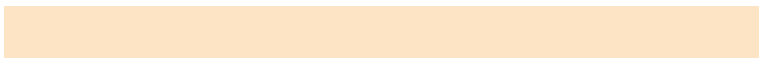
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.0288, 80.3542, 95.9288



83.3865, 80.3542, 106.0851



78.2508, 80.3542, 64.3146

Complementary

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



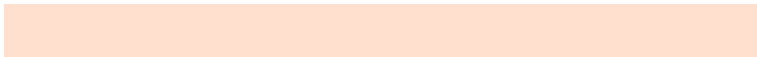
68.0288, 80.3542, 95.9288



63.0426, 57.5424, 54.2416

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.



82.6169, 80.3542, 69.4070



68.0288, 80.3542, 95.9288



85.6631, 80.3542, 92.9318

Square

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



68.0288, 80.3542, 95.9288



79.2659, 80.3542, 114.7430



85.3758, 80.3542, 79.5651



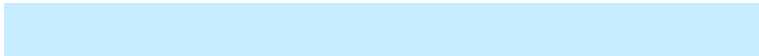
73.5538, 80.3542, 64.9382

Rectangle

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



68.0288, 80.3542, 95.9288



73.0392, 80.3542, 114.0839



85.3758, 80.3542, 79.5651



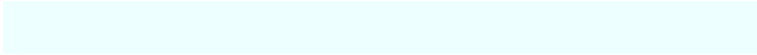
79.8093, 80.3542, 65.3912

Sweetspot

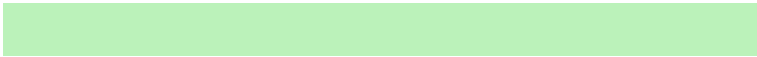
The Sweet Spot groups the original color and five complimentary colors.



68.0311, 80.3575, 95.9306



88.7850, 96.7703, 108.6059



61.0946, 77.6091, 58.2158



18.8940, 20.6563, 23.2410



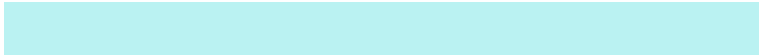
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



68.0311, 80.3575, 95.9306



73.4808, 88.8808, 107.8872



60.5625, 65.4193, 93.4434



16.2474, 17.9290, 20.3257



25.6663, 37.5585, 51.0189



2.1352, 3.1245, 4.2444

Inverse Universe

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



63.0426, 57.5424, 54.2416



66.9078, 58.8191, 52.9569



69.2947, 70.0473, 56.3240



15.7729, 15.7589, 16.3604



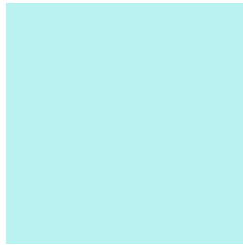
19.6715, 10.1410, 0.9209



1.6365, 0.8436, 0.0767

Previews

White Background



This preview shows how the XYZ color 68.0288, 80.3542, 95.9288 looks on a white background.

Color Contrast Check

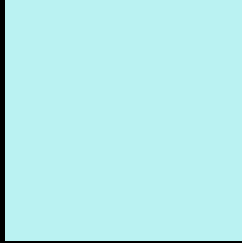
Large Text (above 18pt) WCAG AA × Fail

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 68.0288, 80.3542, 95.9288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

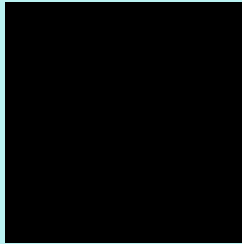
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.0288, 80.3542, 95.9288

Background



This preview shows how black text looks on a background with the XYZ color 68.0288, 80.3542, 95.9288.



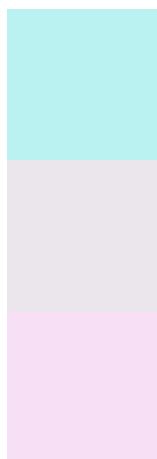
This preview shows how white text looks on a background with the XYZ color 68.0288, 80.3542,

95.9288.

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

68.0288, 80.3542, 95.9288

Protanopia

77.2239, 80.0842, 89.9849

Deuteranopia

81.6480, 79.7393, 98.2767



Tritanopia

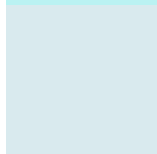
71.3895, 80.1048, 106.3069

Trichromacy



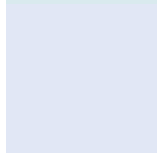
Original Color

68.0288, 80.3542, 95.9288



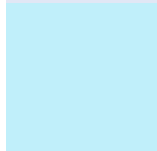
Protanomaly

73.4707, 79.7704, 92.4138



Deuteranomaly

76.1087, 79.7520, 97.7685



Tritanomaly

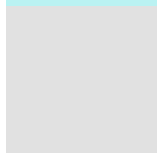
69.8600, 79.8416, 102.1714

Monochromacy



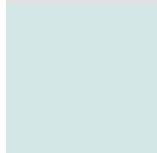
Original Color

68.0288, 80.3542, 95.9288



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.8637, 76.7702, 86.7372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0288, 80.3542, 95.9288 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(186, 242, 242)` looks like.

```
.text, #text, p{  
    color:rgb(186, 242, 242)  
}
```

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(186, 242, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 242, 242) }
```

Border

The CSS property to change the border of an element to XYZ 68.0288, 80.3542, 95.9288 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(186, 242, 242) }
```


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

```
.border{ border-color:rgb(186, 242, 242) }
```

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

Here you see how a box with a 4 pixel rgb(186, 242, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 242, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 242, 242);  
box-shadow:4px 4px 4px 4px rgb(186, 242,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0288, 80.3542, 95.9288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 242, 242) }
```

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

```
.background{ background-color: rgb(186,  
242, 242) }
```

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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