

Converting Colors

XYZ(68.1443, 80.5345, 95.4928)

Have a look what the booklet for
XYZ(68.1443, 80.5345, 95.4928)
contains.

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Color

**XYZ(68.1228, 80.4199,
95.1512)**

Conversions

Conversions Part 1

Format	Color
Hex	BBF2F1
RGB	187, 242, 241
RGB Percent	73%, 95%, 95%
CMY	0.2667, 0.0510, 0.0549
CMYK	0.23, 0.00, 0.00, 0.05
HSL	179°, 68%, 84%
HSV	179°, 23%, 95%
XYZ	68.1228, 80.4199, 95.1512
YIQ	225.4410, -32.4590, -11.9710

Conversions

Conversions Part 2

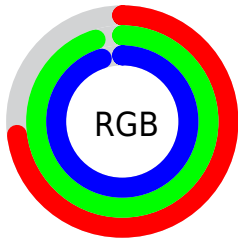
Format	Color
R _Y B	187, 215, 242
Decimal	12317425
CIE Lab	91.87, -17.51, -5.22
CIE LCh	92, 18.272, 196.613
Yxy	80.4199, 0.2795, 0.3300
Android (android.graphics.Color)	4290507505 (0xFFBBF2F1)
YUV	225.4410, 7.6706, -33.7128
Hunter-Lab	89.6771, -21.3384, -0.1352

Details

The XYZ color **68.1228, 80.4199, 95.1512** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.4682, 58.0510, 55.4400**, and the grayscale version is **71.8504, 75.5923, 82.3200**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **35.8316, 43.5261, 52.4118** is the 20% darker color. If you saturate the color by 10%, you get **62.6289, 77.5974, 94.5520**, and if you desaturate by 10%, it is **74.6192, 83.7634, 95.8015**.

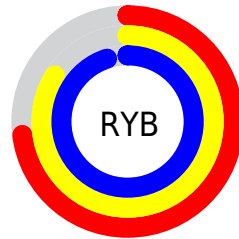
Distribution



Red (73%)

Green (95%)

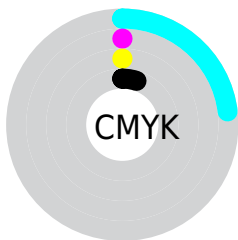
Blue (95%)



Red (73%)

Yellow (84%)

Blue (95%)

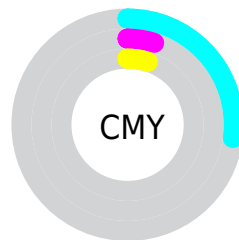


Cyan (23%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (27%)

Magenta (5%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1228, 80.4199, 95.1512 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 68.1228, 80.4199, 95.1512 by changing the saturation by 10% instead.

68.1228, 80.4199,
95.1512

68.1228, 80.4199,
95.1512

443.3009,
496.3468, 565.6456

50.2717, 60.0639,
71.6632

115.5687,
133.9559, 156.4709

35.8480, 43.4702,
52.3985

145.8943,
167.9048, 195.1396

24.4864, 30.2542,
36.9384

181.1087,
207.1534, 239.7058

15.8215, 20.0316,
24.8644

221.5773,
252.0862, 290.5878

9.4880, 12.4180,
15.7579

267.6654,
303.0875, 348.2042

5.1205, 7.0290,
9.2005

319.7385,

2.3536, 3.4803,

360.5418, 412.9737

4.7736

378.1619,
424.8334, 485.3146

■ 0.8219, 1.3873,
2.0586

■ 0.0000, 0.2073,
0.5910

■ 68.1228, 80.4199,
95.1512

■ 68.1228, 80.4199,
95.1512

■ 62.6289, 77.5974,
94.5520

■ 74.6192, 83.7634,
95.8015

■ 58.0805, 75.2602,
93.9962


■ 82.1576, 87.6419,
96.4998


■ 54.4256, 73.3836,
93.4831


■ 89.0695, 91.1975,
97.1695


■ 51.6045, 71.9368,
93.0098


■ 89.1360, 91.2241,
97.5197


 49.5500, 70.8852,
92.5732


 89.2027, 91.2507,
97.8708


 48.1848, 70.1890,
92.1697


 89.2695, 91.2775,
98.2227

 47.4153, 69.7997,
91.7950

 89.3365, 91.3043,
98.5754

 47.1261, 69.6561,
91.5356

 89.4037, 91.3311,
98.9290

 89.4710, 91.3580,
99.2834

Harmonies

Analogous

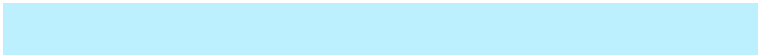
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.0013, 80.4199, 81.7234



68.1228, 80.4199, 95.1512



70.4123, 80.4199, 107.6893

Triad

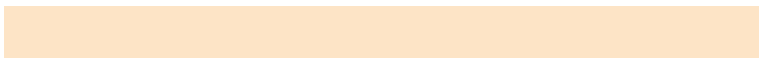
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.1228, 80.4199, 95.1512



83.1742, 80.4199, 106.5144



78.5421, 80.4199, 64.7806

Complementary

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



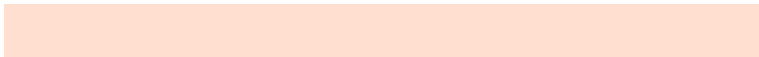
68.1228, 80.4199, 95.1512



63.4682, 58.0510, 55.4400

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.



82.7952, 80.4199, 70.1159



68.1228, 80.4199, 95.1512



85.5424, 80.4199, 93.6756

Square

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



68.1228, 80.4199, 95.1512



79.0421, 80.4199, 114.6947



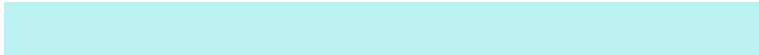
85.4009, 80.4199, 80.3905



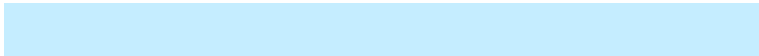
73.8892, 80.4199, 65.0887

Rectangle

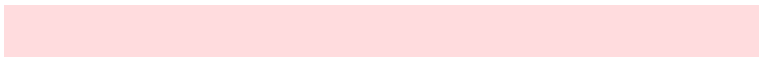
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.1228, 80.4199, 95.1512



72.9153, 80.4199, 113.4507



85.4009, 80.4199, 80.3905



80.0697, 80.4199, 65.9483

Sweetspot

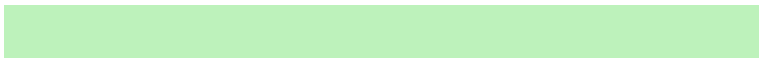
The Sweet Spot groups the original color and five complimentary colors.



68.1251, 80.4232, 95.1530



88.7328, 96.7494, 108.3310



61.6691, 77.8929, 58.7997



18.8819, 20.6515, 23.1771



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

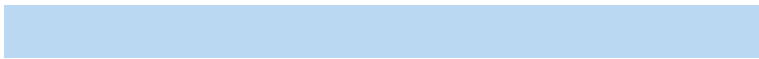
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.1251, 80.4232, 95.1530



73.8946, 89.1173, 106.8581



61.1642, 66.2609, 93.5740



16.2342, 17.9237, 20.2562



25.3214, 37.4206, 49.2029



2.1105, 3.1146, 4.1141

Inverse Universe

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



63.4682, 58.0510, 55.4400



67.8437, 60.0463, 55.2561



69.3009, 69.8889, 56.8526



15.7845, 15.7635, 16.4214



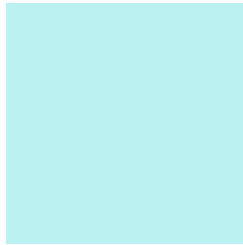
19.6898, 10.1484, 1.0172



1.6421, 0.8459, 0.1061

Previews

White Background



This preview shows how the XYZ color 68.1228, 80.4199, 95.1512 looks on a white background.

Color Contrast Check

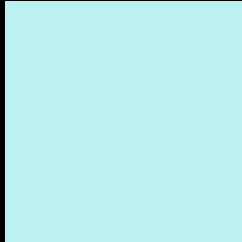
Large Text (above 18pt) WCAG AA × Fail

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 68.1228, 80.4199, 95.1512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

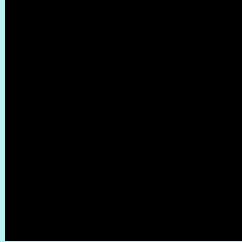
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.1228, 80.4199, 95.1512

Background



This preview shows how black text looks on a background with the XYZ color 68.1228, 80.4199, 95.1512.



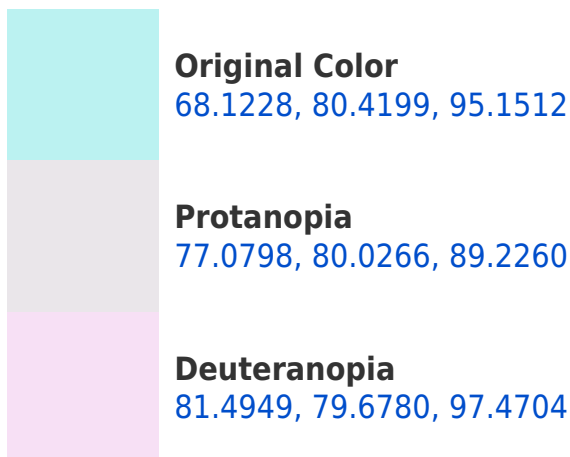
This preview shows how white text looks on a background with the XYZ color 68.1228, 80.4199,

95.1512.

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

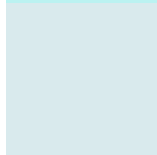
71.6505, 80.2394, 106.3191

Trichromacy



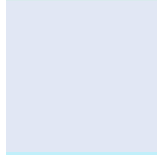
Original Color

68.1228, 80.4199, 95.1512



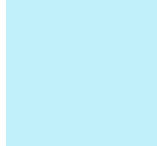
Protanomaly

73.3242, 79.7118, 91.6421



Deuteranomaly

75.9564, 79.6910, 96.9665



Tritanomaly

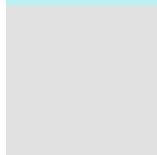
70.1141, 79.9726, 102.1833

Monochromacy



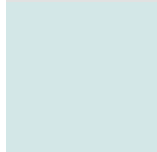
Original Color

68.1228, 80.4199, 95.1512



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 68.1228, 80.4199, 95.1512 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(187, 242, 241)` looks like.

```
.text, #text, p{  
    color:rgb(187, 242, 241)  
}
```

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(187, 242, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 242, 241) }
```

Border

The CSS property to change the border of an element to XYZ 68.1228, 80.4199, 95.1512 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(187, 242, 241) }
```


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

```
.border{ border-color:rgb(187, 242, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 242, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 242, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 242, 241);  
box-shadow:4px 4px 4px 4px rgb(187, 242,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1228, 80.4199, 95.1512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 242, 241) }
```

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

```
.background{ background-color: rgb(187,  
242, 241) }
```

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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