

Converting Colors

XYZ(68.4229, 81.7192, 92.2964)

Have a look what the booklet for
XYZ(68.4229, 81.7192, 92.2964)
contains.

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Color

**XYZ(68.3758, 81.5072,
92.2494)**

Conversions

Conversions Part 1

Format	Color
Hex	BCF4ED
RGB	188, 244, 237
RGB Percent	74%, 96%, 93%
CMY	0.2627, 0.0431, 0.0706
CMYK	0.23, 0.00, 0.03, 0.04
HSL	172°, 72%, 85%
HSV	172°, 23%, 96%
XYZ	68.3758, 81.5072, 92.2494
YIQ	226.4580, -31.1290, -14.0490

Conversions

Conversions Part 2

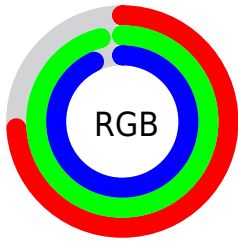
Format	Color
R _Y B	188, 218, 244
Decimal	12383469
CIE Lab	92.36, -19.04, -2.43
CIE LCh	92, 19.196, 187.260
Yxy	81.5072, 0.2824, 0.3366
Android (android.graphics.Color)	4290573549 (0xFFBCF4ED)
YUV	226.4580, 5.1972, -33.7277
Hunter-Lab	90.2813, -22.8029, 2.6145

Details

The XYZ color **68.3758, 81.5072, 92.2494** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.1447, 59.1419, 59.6152**, and the grayscale version is **72.6018, 76.3828, 83.1809**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **35.9966, 44.2892, 50.3675** is the 20% darker color. If you saturate the color by 10%, you get **62.4242, 78.4922, 89.6649**, and if you desaturate by 10%, it is **75.3559, 85.0558, 94.9251**.

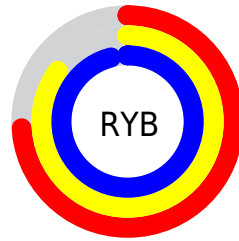
Distribution



Red (74%)

Green (96%)

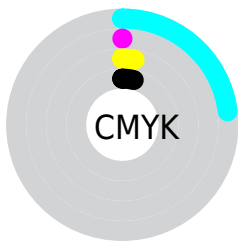
Blue (93%)



Red (74%)

Yellow (85%)

Blue (96%)

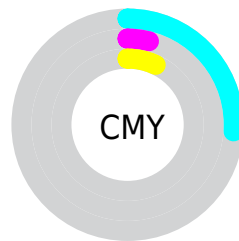


Cyan (23%)

Magenta (0%)

Yellow (3%)

Black (4%)



Cyan (26%)

Magenta (4%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3758, 81.5072, 92.2494 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 68.3758, 81.5072, 92.2494 by changing the saturation by 10% instead.

68.3758, 81.5072,
92.2494

68.3758, 81.5072,
92.2494

444.1822,
499.9978, 556.0790

50.4783, 60.9594,
69.2636

115.9285,
135.4827, 152.4217

36.0130, 44.1924,
50.4533

146.3145,
169.6792, 190.4453

24.6144, 30.8218,
35.4000

181.5940,
209.1941, 234.3186

15.9172, 20.4632,
23.6852

222.1325,
254.4117, 284.4600

9.5560, 12.7322,
14.8902

268.2951,
305.7165, 341.2883

5.1656, 7.2444,
8.5966

320.4474,

2.3805, 3.6154,

363.4929, 405.2218

4.3858

378.9547,
428.1252, 476.6792

■ 0.8354, 1.4608,
1.8393

■ 0.0000, 0.2609,
0.4537

■ 68.3758, 81.5072,
92.2494

■ 68.3758, 81.5072,
92.2494

■ 62.4242, 78.4922,
89.6649

■ 75.3559, 85.0558,
94.9251

■ 57.4429, 75.9745,
87.1635

■ 83.4051, 89.1524,
97.6889

■ 53.3787, 73.9287,
84.7443

■ 90.2506, 92.6277,
100.4363

■ 50.1705, 72.3233,
82.4041

■ 90.7234, 92.8168,
102.9257

■ 47.7496, 71.1228,
80.1396

■ 91.2038, 93.0090,
105.4559

■ 46.0366, 70.2865,
77.9468

■ 91.6422, 93.1843,
107.7641

■ 44.9354, 69.7647,
75.8211

■ 44.4249, 69.5334,
74.3582

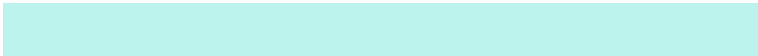
Harmonies

Analogous

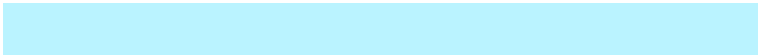
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.9904, 81.5072, 78.5872



68.3758, 81.5072, 92.2494



70.1137, 81.5072, 106.3613

Triad

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



68.3758, 81.5072, 92.2494



83.3983, 81.5072, 112.3494



81.2215, 81.5072, 65.8331

Complementary

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



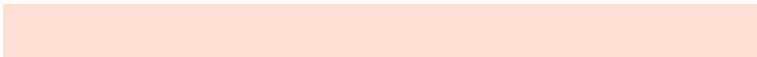
68.3758, 81.5072, 92.2494



65.1447, 59.1419, 59.6152

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.



85.3240, 81.5072, 73.1943



68.3758, 81.5072, 92.2494



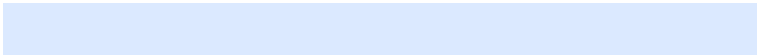
86.6177, 81.5072, 99.7478

Square

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



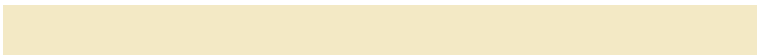
68.3758, 81.5072, 92.2494



78.6835, 81.5072, 118.7443



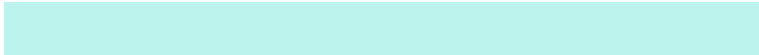
87.3371, 81.5072, 85.3353



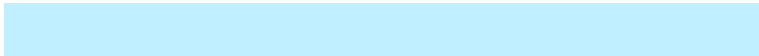
76.2694, 81.5072, 64.2826

Rectangle

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



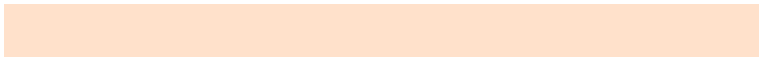
68.3758, 81.5072, 92.2494



72.4181, 81.5072, 113.8035



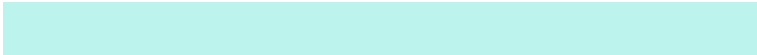
87.3371, 81.5072, 85.3353



82.7519, 81.5072, 67.6688

Sweetspot

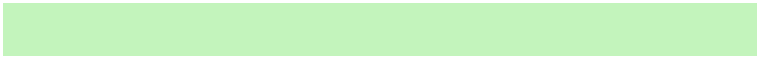
The Sweet Spot groups the original color and five complimentary colors.



68.3781, 81.5105, 92.2512



88.4278, 96.6274, 106.7250



64.0567, 80.0000, 59.6438



18.8110, 20.6231, 22.8039



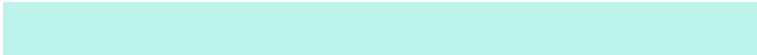
0.0000, 0.0000, 0.0000



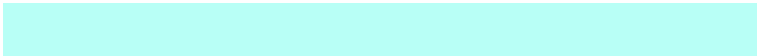
20.3446, 21.4041, 23.3091

Same Dimension

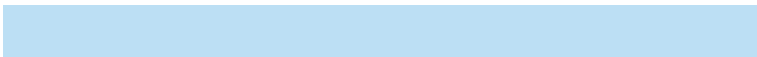
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.3781, 81.5105, 92.2512



72.0770, 88.3192, 100.4946



63.5832, 70.2509, 95.8004



16.9023, 18.7200, 20.7697



24.1899, 37.8208, 40.6152



2.1506, 3.3339, 3.6987

Inverse Universe

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



65.1447, 59.1419, 59.6152



67.8706, 59.2043, 58.0273



69.0743, 68.2389, 57.1092



16.5834, 16.5162, 17.5530



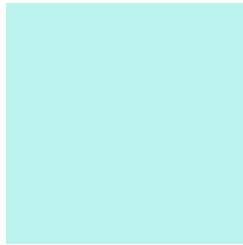
20.4436, 10.5209, 1.7786



1.8231, 0.9352, 0.2950

Previews

White Background



This preview shows how the XYZ color 68.3758, 81.5072, 92.2494 looks on a white background.

Color Contrast Check

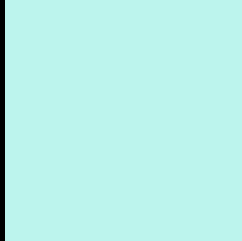
Large Text (above 18pt) WCAG AA × Fail

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 68.3758, 81.5072, 92.2494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

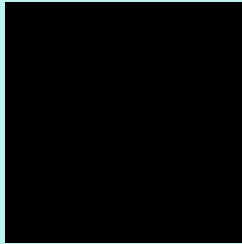
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

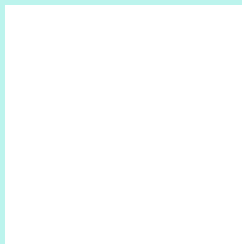
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.3758, 81.5072, 92.2494

Background



This preview shows how black text looks on a background with the XYZ color 68.3758, 81.5072, 92.2494.

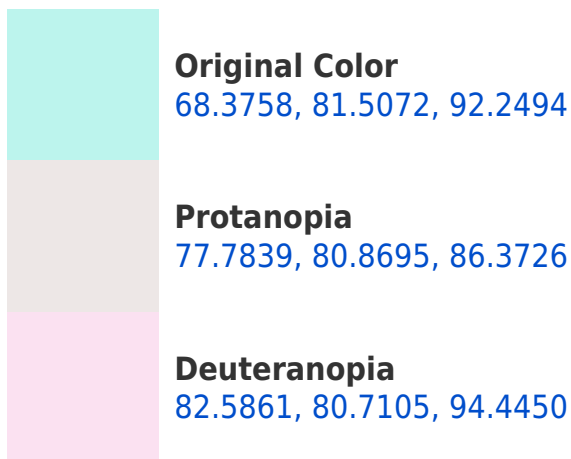


This preview shows how white text looks on a background with the XYZ color 68.3758, 81.5072,

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

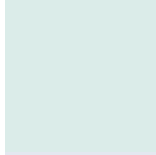
73.0039, 81.3705, 106.4661

Trichromacy



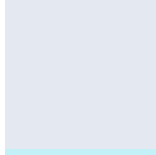
Original Color

68.3758, 81.5072, 92.2494



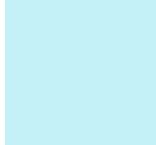
Protanomaly

73.9169, 80.9342, 88.8168



Deuteranomaly

76.5797, 80.4985, 93.9397



Tritanomaly

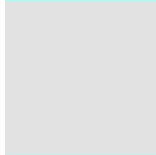
71.1635, 81.4237, 100.7726

Monochromacy



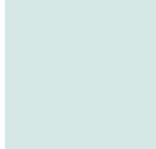
Original Color

68.3758, 81.5072, 92.2494



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

70.5732, 77.9880, 86.1965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3758, 81.5072, 92.2494 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, 244, 237)` looks like.

```
.text, #text, p{  
    color:rgb(188, 244, 237)  
}
```

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, 244, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 244, 237) }
```

Border

The CSS property to change the border of an element to XYZ 68.3758, 81.5072, 92.2494 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, 244, 237) }
```


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

```
.border{ border-color:rgb(188, 244, 237) }
```

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

Here you see how a box with a 4 pixel rgb(188, 244, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 244, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 244, 237);  
box-shadow:4px 4px 4px 4px rgb(188, 244,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3758, 81.5072, 92.2494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 244, 237) }
```

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

```
.background{ background-color: rgb(188,  
244, 237) }
```

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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