

Converting Colors

XYZ(68.1048, 80.6710, 92.1696)

Have a look what the booklet for
XYZ(68.1048, 80.6710, 92.1696)
contains.

XYZ(68.0245, 80.4375, 92.0615)	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(68.0245, 80.4375,
92.0615)**

Conversions

Conversions Part 1

Format	Color
Hex	BDF2ED
RGB	189, 242, 237
RGB Percent	74%, 95%, 93%
CMY	0.2588, 0.0510, 0.0706
CMYK	0.22, 0.00, 0.02, 0.05
HSL	174°, 67%, 85%
HSV	174°, 22%, 95%
XYZ	68.0245, 80.4375, 92.0615
YIQ	225.5830, -29.9830, -12.7910

Conversions

Conversions Part 2

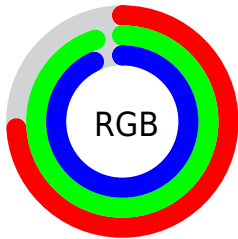
Format	Color
RYB	189, 217, 242
Decimal	12448493
CIELab	91.88, -17.76, -3.12
CIELCh	92, 18.030, 189.958
Yxy	80.4375, 0.2828, 0.3344
Android (android.graphics.Color)	4290638573 (0xFFBDF2ED)
YUV	225.5830, 5.6286, -32.0833
Hunter-Lab	89.6870, -21.5660, 1.9211

Details

The XYZ color **68.0245, 80.4375, 92.0615** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.5560, 59.1698, 59.0608**, and the grayscale version is **71.9658, 75.7136, 82.4521**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **35.7309, 43.5223, 50.2335** is the 20% darker color. If you saturate the color by 10%, you get **62.1841, 77.4671, 90.0585**, and if you desaturate by 10%, it is **74.8754, 83.9326, 94.1374**.

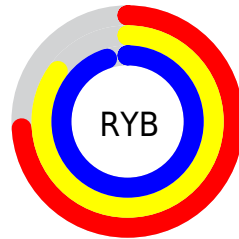
Distribution



Red (74%)

Green (95%)

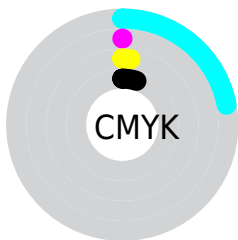
Blue (93%)



Red (74%)

Yellow (85%)

Blue (95%)

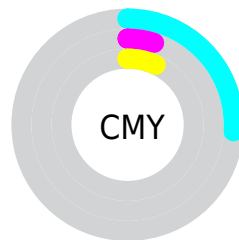


Cyan (22%)

Magenta (0%)

Yellow (2%)

Black (5%)



Cyan (26%)


Magenta (5%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.0245, 80.4375, 92.0615 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 68.0245, 80.4375, 92.0615 by changing the saturation by 10% instead.


 68.0245, 80.4375,
92.0615

 68.0245, 80.4375,
92.0615


442.9582,
496.4060, 555.4565

 50.1914, 60.0784,
69.1084


 115.4289,
133.9807, 152.1591

 35.7839, 43.4819,
50.3277


145.7309,
167.9335, 190.1406

 24.4367, 30.2634,
35.3008


180.9200,
207.1865, 233.9687

 15.7844, 20.0386,
23.6093

221.3615,
252.1239, 284.0619

 9.4616, 12.4231,
14.8345

267.4206,
303.1302, 340.8387

 5.1030, 7.0325,
8.5580

319.4629,

 2.3432, 3.4824,

360.5897, 404.7177

4.3612

377.8536,
424.8868, 476.1175

■ 0.8166, 1.3885,
1.8255

■ 0.0000, 0.2082,
0.4447

■ 68.0245, 80.4375,
92.0615

■ 68.0245, 80.4375,
92.0615

■ 62.1841, 77.4671,
90.0585

■ 74.8754, 83.9326,
94.1374

■ 57.2976, 74.9858,
88.1206


■ 82.7761, 87.9662,
96.2830


■ 53.3133, 72.9692,
86.2469


■ 89.3006, 91.2899,
98.3865


■ 50.1720, 71.3867,
84.4347


■ 89.6495, 91.4295,
100.2234


 47.8073, 70.2040,
82.6807


 90.0026, 91.5707,
102.0831


 46.1429, 69.3818,
80.9812

 90.3601, 91.7137,
103.9656

 45.0866, 68.8727,
79.3319

 90.7219, 91.8585,
105.8710

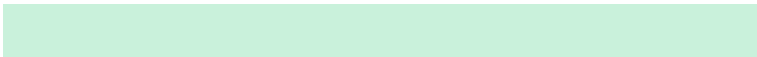
 44.5610, 68.6301,
78.0274

 91.0435, 91.9871,
107.5645

Harmonies

Analogous

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



68.3994, 80.4375, 79.1411



68.0245, 80.4375, 92.0615



69.8373, 80.4375, 104.9794

Triad

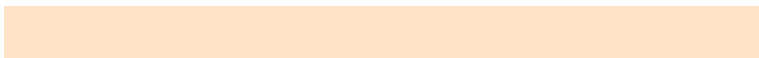
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.0245, 80.4375, 92.0615



82.3083, 80.4375, 108.5918



79.5418, 80.4375, 65.7685

Complementary

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



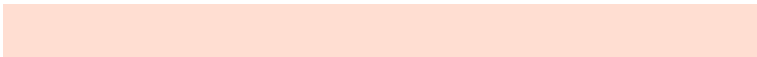
68.0245, 80.4375, 92.0615



64.5560, 59.1698, 59.0608

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.



83.4747, 80.4375, 72.2227



68.0245, 80.4375, 92.0615



85.1161, 80.4375, 96.6043

Square

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



68.0245, 80.4375, 92.0615



78.0017, 80.4375, 115.1397



85.5514, 80.4375, 83.2517



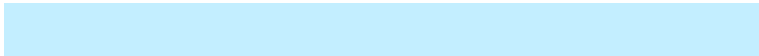
74.9258, 80.4375, 64.8159

Rectangle

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



68.0245, 80.4375, 92.0615



72.0871, 80.4375, 111.5325



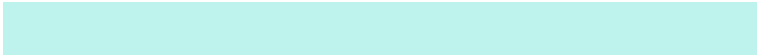
85.5514, 80.4375, 83.2517



80.9926, 80.4375, 67.3332

Sweetspot

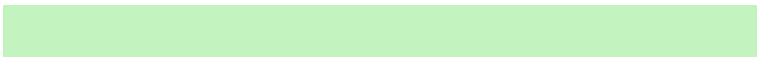
The Sweet Spot groups the original color and five complimentary colors.



68.0268, 80.4408, 92.0633



88.5150, 96.6623, 107.1843



63.2651, 78.6908, 60.0001



18.8313, 20.6312, 22.9106



0.0000, 0.0000, 0.0000



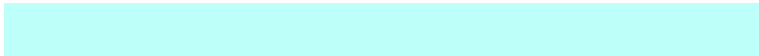
20.3446, 21.4041, 23.3091

Same Dimension

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



68.0268, 80.4408, 92.0633



73.7305, 89.1239, 102.7281



62.8194, 68.8397, 93.9846



16.1793, 17.9017, 19.9670



23.9652, 36.8781, 42.0612



2.0123, 3.0753, 3.5970

Inverse Universe

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



64.5560, 59.1698, 59.0608



69.2187, 61.4645, 59.8206



68.9021, 68.7461, 57.7835



15.8334, 15.7831, 16.6789



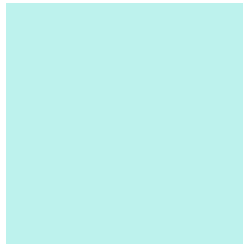
19.7753, 10.1825, 1.4671



1.6655, 0.8552, 0.2294

Previews

White Background



This preview shows how the XYZ color 68.0245, 80.4375, 92.0615 looks on a white background.

Color Contrast Check

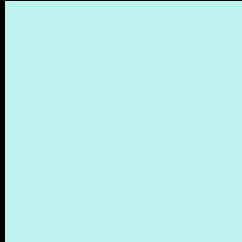
Large Text (above 18pt) WCAG AA × Fail

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 68.0245, 80.4375, 92.0615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

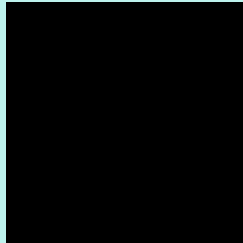
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

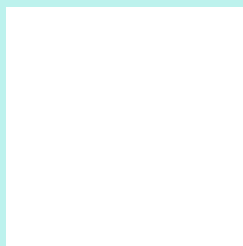
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.0245, 80.4375, 92.0615

Background



This preview shows how black text looks on a background with the XYZ color 68.0245, 80.4375, 92.0615.

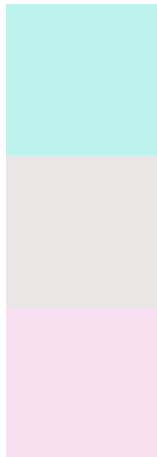


This preview shows how white text looks on a background with the XYZ color 68.0245, 80.4375,

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

68.0245, 80.4375, 92.0615

Protanopia

76.8407, 79.9690, 86.2485

Deuteranopia

81.5998, 79.8019, 94.3216



Tritanopia

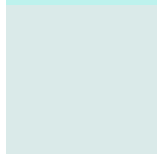
71.9132, 80.3748, 106.3314

Trichromacy



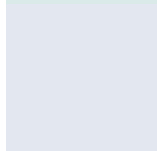
Original Color

68.0245, 80.4375, 92.0615



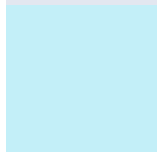
Protanomaly

73.0442, 79.6343, 88.6119



Deuteranomaly

75.9826, 79.7740, 93.8313



Tritanomaly

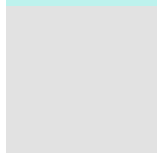
70.3155, 80.1124, 100.5642

Monochromacy



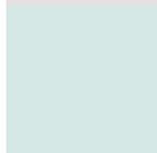
Original Color

68.0245, 80.4375, 92.0615



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

70.5801, 77.5725, 86.1159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0245, 80.4375, 92.0615 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(189, 242, 237)` looks like.

```
.text, #text, p{  
    color:rgb(189, 242, 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(189, 242, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 242, 237) }
```

Border

The CSS property to change the border of an element to XYZ 68.0245, 80.4375, 92.0615 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(189, 242, 237) }
```


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

```
.border{ border-color:rgb(189, 242, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 242, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 242, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 242, 237);  
box-shadow:4px 4px 4px 4px rgb(189, 242,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0245, 80.4375, 92.0615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 242, 237) }
```

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

```
.background{ background-color: rgb(189,  
242, 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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