

# Converting Colors

XYZ(68.5601, 80.8119, 92.8731)

Have a look what the booklet for  
XYZ(68.5601, 80.8119, 92.8731)  
contains.

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# Color

**XYZ(68.4200, 80.6245,  
92.8449)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEF2EE
RGB	190, 242, 238
RGB Percent	75%, 95%, 93%
CMY	0.2549, 0.0510, 0.0667
CMYK	0.21, 0.00, 0.02, 0.05
HSL	175°, 67%, 85%
HSV	175°, 21%, 95%
XYZ	68.4200, 80.6245, 92.8449
YIQ	225.9960, -29.7080, -12.2680

# Conversions

## Conversions Part 2

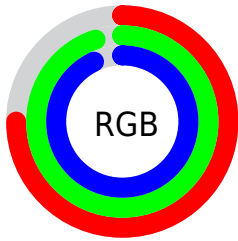
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 217, 242
Decimal	12514030
CIE <sub>Lab</sub>	91.96, -17.25, -3.51
CIE <sub>LCh</sub>	92, 17.606, 191.496
Yxy	80.6245, 0.2829, 0.3333
Android (android.graphics.Color)	4290704110 (0xFFBEF2EE)
YUV	225.9960, 5.9180, -31.5685
Hunter-Lab	89.7911, -21.1192, 1.5474

# Details

The XYZ color **68.4200, 80.6245, 92.8449** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.7719, 59.6015, 59.1328**, and the grayscale version is **72.2617, 76.0250, 82.7912**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **35.9941, 43.6461, 50.7834** is the 20% darker color. If you saturate the color by 10%, you get **62.5985, 77.6570, 91.1526**, and if you desaturate by 10%, it is **75.2526, 84.1171, 94.6027**.

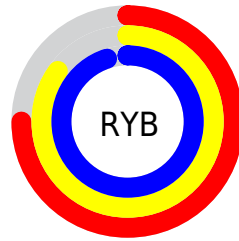
# Distribution



Red (75%)

Green (95%)

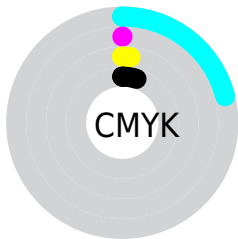
Blue (93%)



Red (75%)

Yellow (85%)

Blue (95%)

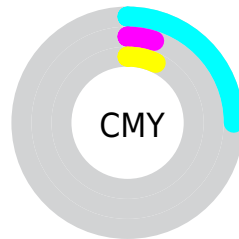


Cyan (21%)

Magenta (0%)

Yellow (2%)

Black (5%)



Cyan (25%)

Magenta (5%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4200, 80.6245, 92.8449 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 68.4200, 80.6245, 92.8449 by changing the saturation by 10% instead.





 68.4200, 80.6245,  
92.8449

 68.4200, 80.6245,  
92.8449


444.3361,  
497.0350, 558.0495

 50.5144, 60.2324,  
69.7556


 115.9914,  
134.2434, 153.2537

 36.0418, 43.6060,  
50.8518


146.3879,  
168.2390, 191.4103

 24.6367, 30.3609,  
35.7148


181.6788,  
207.5378, 235.4265

 15.9339, 20.1127,  
23.9260

222.2294,  
252.5243, 285.7208

 9.5679, 12.4770,  
15.0671

268.4051,  
303.5829, 342.7117

 5.1735, 7.0694,  
8.7193

320.5712,

 2.3852, 3.5055,

361.0979, 406.8177

4.4643

379.0931,  
425.4538, 478.4575

■ 0.8377, 1.4010,  
1.8833

■ 0.0000, 0.2175,  
0.4821

■ 68.4200, 80.6245,  
92.8449

■ 68.4200, 80.6245,  
92.8449

■ 62.5985, 77.6570,  
91.1526

■ 75.2526, 84.1171,  
94.6027

■ 57.7316, 75.1792,  
89.5180


■ 83.1353, 88.1487,  
96.4228


■ 53.7679, 73.1666,  
87.9404


■ 89.2606, 91.2740,  
98.1755


■ 50.6484, 71.5889,  
86.4170


■ 89.5444, 91.3875,  
99.6697


 48.3070, 70.4120,  
84.9446


 89.8310, 91.5021,  
101.1791


 46.6678, 69.5968,  
83.5196


 90.1205, 91.6179,  
102.7036

 45.6397, 69.0964,  
82.1377

 90.4129, 91.7349,  
104.2432

 45.1235, 68.8551,  
80.9897

 90.7081, 91.8530,  
105.7981

 91.0063, 91.9723,  
107.3683

# Harmonies

## Analogous

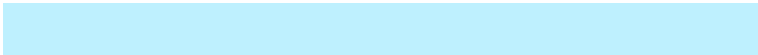
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.6755, 80.6245, 80.1156



68.4200, 80.6245, 92.8449



70.2994, 80.6245, 105.3465

# Triad

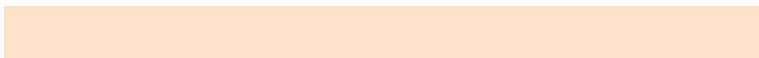
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.4200, 80.6245, 92.8449



82.5396, 80.6245, 107.7969



79.4249, 80.6245, 66.2199

# Complementary

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



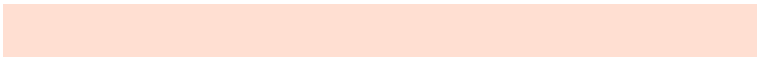
68.4200, 80.6245, 92.8449



64.7719, 59.6015, 59.1328

# 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.



83.3322, 80.6245, 72.2948



68.4200, 80.6245, 92.8449



85.1787, 80.6245, 95.9318

# Square

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



68.4200, 80.6245, 92.8449



78.3777, 80.6245, 114.5287



85.4743, 80.6245, 82.9150



74.9108, 80.6245, 65.5690

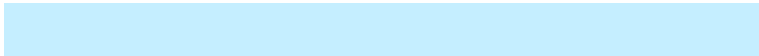


# Rectangle

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



68.4200, 80.6245, 92.8449



72.5549, 80.6245, 111.5464



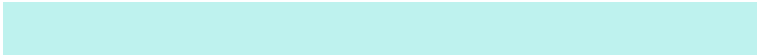
85.4743, 80.6245, 82.9150



80.8573, 80.6245, 67.6653

# Sweetspot

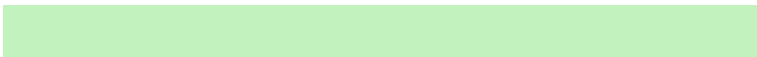
The Sweet Spot groups the original color and five complimentary colors.



68.4223, 80.6278, 92.8467



89.4543, 97.1372, 107.6513



63.3827, 78.7389, 60.5742



19.0222, 20.7276, 23.0131



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

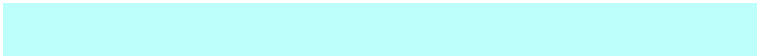


# Same Dimension

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



68.4223, 80.6278, 92.8467



73.9110, 89.1961, 103.6782



62.9454, 68.7222, 93.9554



16.1918, 17.9067, 20.0329



24.2628, 36.9971, 43.6285



2.0339, 3.0840, 3.7111



# Inverse Universe

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



64.7719, 59.6015, 59.1328



69.0887, 61.4125, 59.1359



69.3753, 69.5182, 58.4786



15.8222, 15.7786, 16.6198



19.7516, 10.1731, 1.3428

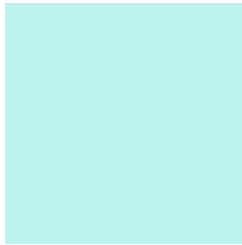


1.6601, 0.8531, 0.2012



# Previews

## White Background



This preview shows how the XYZ color 68.4200, 80.6245, 92.8449 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

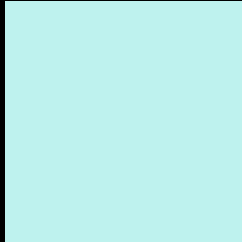
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.4200, 80.6245, 92.8449 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

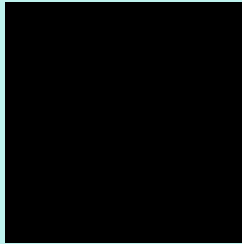
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 68.4200, 80.6245, 92.8449**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.4200, 80.6245, 92.8449.



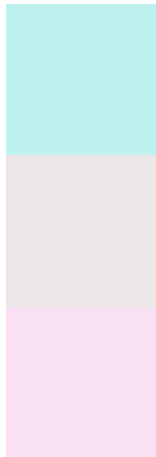
This preview shows how white text looks on a background with the XYZ color 68.4200, 80.6245,



# 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

68.4200, 80.6245, 92.8449

### Protanopia

76.9816, 80.0253, 86.9904

### Deuteranopia

81.7496, 79.8619, 95.1106



## Tritanopia

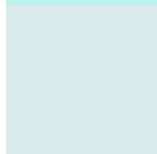
72.1777, 80.5112, 106.3438

# Trichromacy



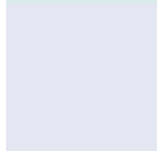
## Original Color

68.4200, 80.6245, 92.8449



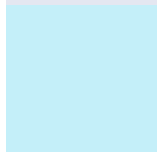
## Protanomaly

73.4875, 79.8462, 89.3806



## Deuteranomaly

76.4480, 79.9967, 94.6308



## Tritanomaly

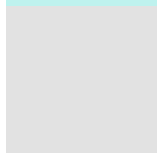
70.7303, 80.3083, 101.3957

# Monochromacy



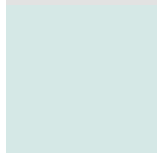
## Original Color

68.4200, 80.6245, 92.8449



## 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 68.4200, 80.6245, 92.8449 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(190, 242, 238)` looks like.

```
.text, #text, p{  
    color:rgb(190, 242, 238)  
}
```

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(190, 242, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 242, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 68.4200, 80.6245, 92.8449 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(190, 242, 238) }
```



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

```
.border{ border-color:rgb(190, 242, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 242, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 242, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 242, 238);  
box-shadow:4px 4px 4px 4px rgb(190, 242,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.4200, 80.6245, 92.8449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 242, 238) }
```

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

```
.background{ background-color: rgb(190,  
242, 238) }
```

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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