

# Converting Colors

XYZ(59.1689, 66.7616, 83.8775)

Have a look what the booklet for  
XYZ(59.1689, 66.7616, 83.8775)  
contains.

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# Color

**XYZ(59.2645, 66.9108,  
83.9202)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7DCE5
RGB	183, 220, 229
RGB Percent	72%, 86%, 90%
CMY	0.2823, 0.1372, 0.1020
CMYK	0.20, 0.04, 0.00, 0.10
HSL	192°, 47%, 81%
HSV	192°, 20%, 90%
XYZ	59.2645, 66.9108, 83.9202
YIQ	209.9630, -24.9410, -5.0450

# Conversions

## Conversions Part 2

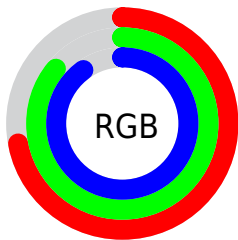
Format	Color
<b>RYB</b>	183, 204, 229
Decimal	12049637
CIELab	85.46, -10.16, -8.44
CIELCh	85, 13.213, 219.712
Yxy	66.9108, 0.2821, 0.3185
Android (android.graphics.Color)	4290239717 (0xFFB7DCE5)
YUV	209.9630, 9.3852, -23.6466
Hunter-Lab	81.7990, -13.8226, -3.5682

# Details

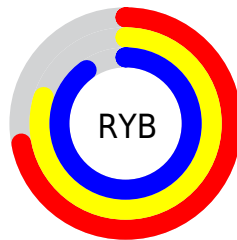
The XYZ color **59.2645, 66.9108, 83.9202** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.7106, 57.7764, 52.8060**, and the grayscale version is **61.1880, 64.3745, 70.1038**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **30.1484, 34.6334, 45.1403** is the 20% darker color. If you saturate the color by 10%, you get **53.0952, 62.0102, 83.3005**, and if you desaturate by 10%, it is **66.3554, 72.3367, 84.5949**.

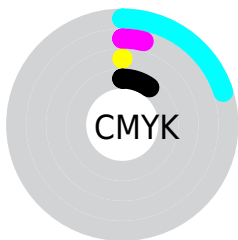
# Distribution



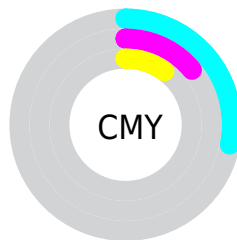
- Red (72%)
- Green (86%)
- Blue (90%)



- Red (72%)
- Yellow (80%)
- Blue (90%)



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)



- Cyan (28%)
- Magenta (14%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2645, 66.9108, 83.9202 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 59.2645, 66.9108, 83.9202 by changing the saturation by 10% instead.



■ 59.2645, 66.9108,  
83.9202

■ 59.2645, 66.9108,  
83.9202

411.7597,  
449.6272, 528.0993

■ 43.0733, 49.0121,  
62.4045

■ 102.8744,  
114.7926, 140.7243

■ 30.1374, 34.6291,  
44.9218

131.0238,  
145.5445, 176.8498

■ 20.0915, 23.3773,  
31.0533

163.8900,  
181.3496, 218.6823

■ 12.5702, 14.8724,  
20.3806

201.8383,  
222.5924, 266.6404

■ 7.2082, 8.7299,  
12.4852

245.2340,  
269.6571, 321.1426

■ 3.6401, 4.5654,  
6.9485

294.4426,

■ 1.5006, 1.9946,

322.9282, 382.6075

3.3520

349.8294,  
382.7901, 451.4535

■ 0.3263, 0.6043,  
1.2770

■ 0.0000, 0.0000,  
0.0429

■ 59.2645, 66.9108,  
83.9202

■ 59.2645, 66.9108,  
83.9202

■ 53.0952, 62.0102,  
83.3005

■ 66.3554, 72.3367,  
84.5949

■ 47.7985, 57.6042,  
82.7293

■ 74.4022, 78.3007,  
85.3219

■ 43.3300, 53.6711,  
82.2056

■ 83.4446, 84.8255,  
86.1047

■ 39.6384, 50.1843,  
81.7272

■ 85.9345, 88.0202,  
86.5901

■ 36.6669, 47.1139,  
81.2911

■ 87.2543, 90.6598,  
87.0301

■ 34.3506, 44.4262,  
80.8944

■ 88.6068, 93.3647,  
87.4809

■ 32.6122, 42.0810,  
80.5334

■ 89.9922, 96.1355,  
87.9427

■ 31.3273, 40.0258,  
80.2044

■ 91.1431, 98.4372,  
88.3263

# Harmonies

## Analogous

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



58.0823, 66.9108, 75.6753



59.2645, 66.9108, 83.9202



61.6188, 66.9108, 89.4627

# Triad

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



59.2645, 66.9108, 83.9202



69.1584, 66.9108, 78.7300



62.6291, 66.9108, 57.7632

# Complementary

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



59.2645, 66.9108, 83.9202



59.7106, 57.7764, 52.8060

# 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.



65.6165, 66.9108, 58.4405



59.2645, 66.9108, 83.9202



69.4496, 66.9108, 70.1046

# Square

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



59.2645, 66.9108, 83.9202



67.3515, 66.9108, 86.3068



68.1351, 66.9108, 62.8070



59.9841, 66.9108, 60.8781



# Rectangle

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



59.2645, 66.9108, 83.9202



63.5678, 66.9108, 90.6421



68.1351, 66.9108, 62.8070



63.6256, 66.9108, 57.5609

# Sweetspot

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



59.2665, 66.9135, 83.9217



88.6962, 95.3183, 108.3312



57.0008, 69.8878, 60.0274



18.8425, 20.2963, 23.1744



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

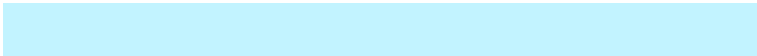


# Same Dimension

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



59.2665, 66.9135, 83.9217



72.3063, 82.7819, 106.7753



53.7678, 55.9162, 82.0888



14.5554, 15.8321, 18.4331



17.9970, 23.0561, 45.8849



1.3913, 1.8266, 3.4112



# Inverse Universe

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



62.1664, 55.6938, 75.1867



76.6695, 66.2275, 93.5598



65.0179, 68.3909, 54.5751



14.8679, 14.5644, 17.5048



23.4776, 11.5252, 27.2075

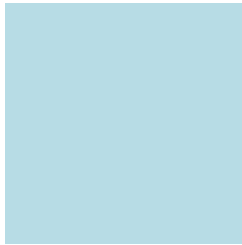


1.7659, 0.8641, 2.1738



# Previews

## White Background



This preview shows how the XYZ color 59.2645, 66.9108, 83.9202 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

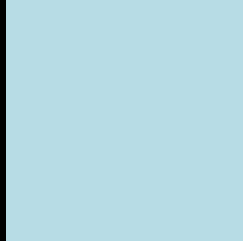
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.2645, 66.9108, 83.9202 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

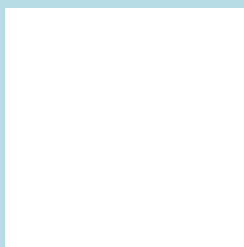
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 59.2645, 66.9108, 83.9202

## Background



This preview shows how black text looks on a background with the XYZ color 59.2645, 66.9108, 83.9202.



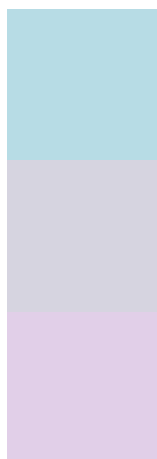
This preview shows how white text looks on a background with the XYZ color 59.2645, 66.9108,



# 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

59.2645, 66.9108, 83.9202

### Protanopia

64.7296, 66.7649, 79.9963

### Deuteranopia

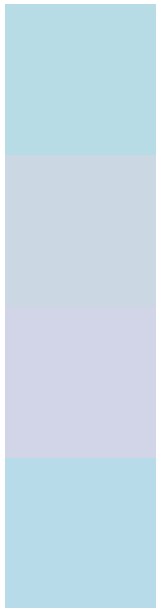
67.9296, 66.4594, 85.5916



## **Tritanopia**

60.2390, 66.9095, 89.0968

# Trichromacy



## Original Color

59.2645, 66.9108, 83.9202

## Protanomaly

62.6565, 66.7884, 81.5406

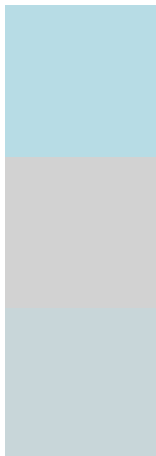
## Deuteranomaly

64.5456, 66.5581, 85.0464

## Tritanomaly

59.8067, 66.7366, 86.8201

# Monochromacy



## Original Color

59.2645, 66.9108, 83.9202

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

60.3904, 65.3822, 75.0828

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.2645, 66.9108, 83.9202 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(183, 220, 229)` looks like.

```
.text, #text, p{  
    color:rgb(183, 220, 229)  
}
```

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(183, 220, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 220, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 59.2645, 66.9108, 83.9202 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(183, 220, 229) }
```



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

```
.border{ border-color:rgb(183, 220, 229) }
```

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

Here you see how a box with a 4 pixel rgb(183, 220, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 220, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 220, 229);  
box-shadow:4px 4px 4px 4px rgb(183, 220,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.2645, 66.9108, 83.9202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 220, 229) }
```

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

```
.background{ background-color: rgb(183,  
220, 229) }
```

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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