

# Converting Colors

XYZ(58.7003, 65.4963, 74.5631)

Have a look what the booklet for  
XYZ(58.7003, 65.4963, 74.5631)  
contains.

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# Color

**XYZ(58.6934, 65.6599,  
74.5459)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFD9D8
RGB	191, 217, 216
RGB Percent	75%, 85%, 85%
CMY	0.2510, 0.1490, 0.1529
CMYK	0.12, 0.00, 0.00, 0.15
HSL	178°, 25%, 80%
HSV	178°, 12%, 85%
XYZ	58.6934, 65.6599, 74.5459
YIQ	209.1120, -15.1750, -5.8230

# Conversions

## Conversions Part 2

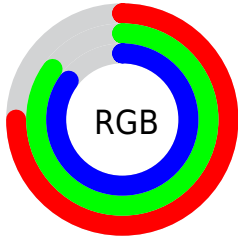
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 204, 217
Decimal	12573144
CIELab	84.82, -8.80, -2.44
CIELCh	85, 9.131, 195.502
Yxy	65.6599, 0.2951, 0.3301
Android (android.graphics.Color)	4290763224 (0xFFBFD9D8)
YUV	209.1120, 3.3958, -15.8842
Hunter-Lab	81.0308, -12.5102, 2.1765

# Details

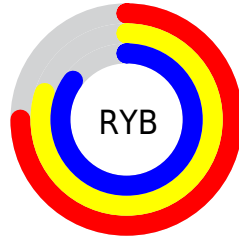
The XYZ color **58.6934, 65.6599, 74.5459** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.7629, 55.8209, 57.6550**, and the grayscale version is **60.6646, 63.8239, 69.5042**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **29.6699, 33.7322, 38.6654** is the 20% darker color. If you saturate the color by 10%, you get **53.5279, 63.0112, 73.7420**, and if you desaturate by 10%, it is **64.6718, 68.7311, 75.3935**.

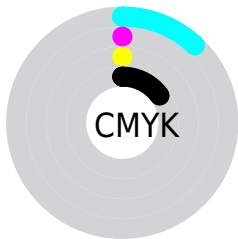
# Distribution



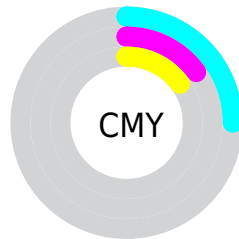
- Red (75%)
- Green (85%)
- Blue (85%)



- Red (75%)
- Yellow (80%)
- Blue (85%)



- Cyan (12%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)



- Cyan (25%)
- Magenta (15%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.6934, 65.6599, 74.5459 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 58.6934, 65.6599, 74.5459 by changing the saturation by 10% instead.



■ 58.6934, 65.6599,  
74.5459

■ 58.6934, 65.6599,  
74.5459

409.6771,  
445.1596, 495.5690

■ 42.6118, 47.9964,  
54.7415

■ 102.0491,  
112.9981, 127.4105

■ 29.7738, 33.8240,  
38.7976

130.0539,  
143.4415, 161.3078

■ 19.8142, 22.7584,  
26.2957

162.7638,  
178.9136, 200.7398

■ 12.3675, 14.4152,  
16.8172

200.5441,  
219.7990, 246.1250

■ 7.0685, 8.4100,  
9.9437

243.7602,  
266.4818, 297.8820

■ 3.5517, 4.3584,  
5.2565

292.7776,

■ 1.4518, 1.8760,

319.3466, 356.4293

2.3372

347.9614,  
378.7777, 422.1855

■ 0.2927, 0.5339,  
0.7519

■ 0.0000, 0.0000,  
0.0000

■ 58.6934, 65.6599,  
74.5459

■ 58.6934, 65.6599,  
74.5459

■ 53.5279, 63.0112,  
73.7420

■ 64.6718, 68.7311,  
75.3935

■ 49.1342, 60.7586,  
72.9757


■ 71.4907, 72.2338,  
76.2819


■ 45.4762, 58.8852,  
72.2467


■ 78.7761, 75.9769,  
77.1951

■ 42.5125, 57.3696,  
71.5530


■ 78.8863, 76.0210,  
77.7753


 40.1978, 56.1886,  
70.8926


 78.9971, 76.0653,  
78.3585

 38.4814, 55.3159,  
70.2631

 79.1084, 76.1098,  
78.9446


 37.3050, 54.7215,  
69.6616

 79.2202, 76.1545,  
79.5336

 36.5988, 54.3695,  
69.0851

 79.3327, 76.1995,  
80.1256

 36.2773, 54.2134,  
68.6363

 79.4456, 76.2447,  
80.7205

# Harmonies

## Analogous

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



58.6763, 65.6599, 68.7090



58.6934, 65.6599, 74.5459



59.6911, 65.6599, 79.8328

# Triad

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



58.6934, 65.6599, 74.5459



65.2558, 65.6599, 79.6828



63.3978, 65.6599, 61.1307

# Complementary

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



58.6934, 65.6599, 74.5459



56.7629, 55.8209, 57.6550

# 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.



65.2056, 65.6599, 63.7542



58.6934, 65.6599, 74.5459



66.2942, 65.6599, 74.3501

# Square

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



58.6934, 65.6599, 74.5459



63.4650, 65.6599, 82.9072



66.2756, 65.6599, 68.5236



61.3623, 65.6599, 61.1767



# Rectangle

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



58.6934, 65.6599, 74.5459



60.7908, 65.6599, 82.2418



66.2756, 65.6599, 68.5236



64.0532, 65.6599, 61.7231

# Sweetspot

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



58.6953, 65.6626, 74.5474



91.3332, 98.0912, 108.3957



56.0331, 64.6357, 58.8141



19.4041, 20.9211, 23.1811



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.



58.6953, 65.6626, 74.5474



82.8928, 93.7583, 107.1778



55.9154, 59.8946, 74.2625



13.4220, 14.8204, 16.6854



21.9688, 32.8201, 41.5964



1.4302, 2.1290, 2.7312



# Inverse Universe

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



56.7629, 55.8209, 57.6550



79.6580, 77.2830, 78.9000



59.3067, 61.0859, 57.9564



13.0763, 13.0596, 13.6630



17.3588, 8.9446, 1.0036

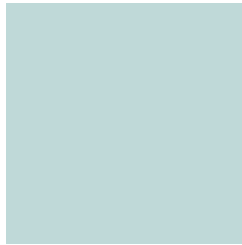


1.1319, 0.5824, 0.1036



# Previews

## White Background



This preview shows how the XYZ color 58.6934, 65.6599, 74.5459 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

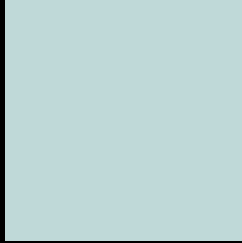
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.6934, 65.6599, 74.5459 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

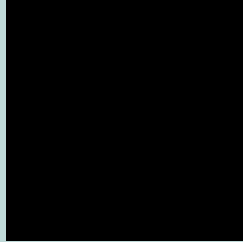
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

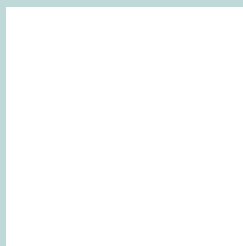
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.6934, 65.6599, 74.5459**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.6934, 65.6599, 74.5459.



This preview shows how white text looks on a background with the XYZ color 58.6934, 65.6599,



# 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

58.6934, 65.6599, 74.5459

### Protanopia

62.9546, 65.2937, 71.5722

### Deuteranopia

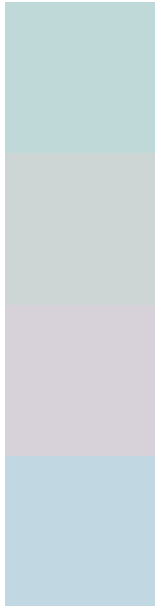
66.7993, 65.3826, 75.4291



## Tritanopia

61.1141, 65.8964, 85.8422

# Trichromacy



## Original Color

58.6934, 65.6599, 74.5459

## Protanomaly

61.2581, 65.5144, 72.3677

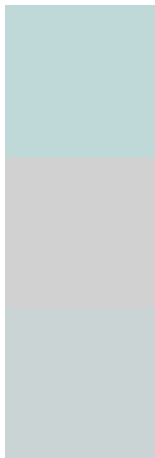
## Deuteranomaly

63.3492, 65.0578, 74.8642

## Tritanomaly

60.2757, 65.9402, 81.5024

# Monochromacy



## Original Color

58.6934, 65.6599, 74.5459

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

59.7843, 64.3970, 71.5662

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.6934, 65.6599, 74.5459 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(191, 217, 216)` looks like.

```
.text, #text, p{  
    color:rgb(191, 217, 216)  
}
```

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(191, 217, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 217, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 58.6934, 65.6599, 74.5459 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(191, 217, 216) }
```



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

```
.border{ border-color:rgb(191, 217, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 217, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 217, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 217, 216); box-shadow:4px 4px 4px 4px rgb(191, 217, 216) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.6934, 65.6599, 74.5459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 217, 216) }
```

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

```
.background{ background-color: rgb(191,  
217, 216) }
```

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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