

# Converting Colors

XYZ(52.8918, 58.5142, 75.1028)

Have a look what the booklet for  
XYZ(52.8918, 58.5142, 75.1028)  
contains.

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# Color

**XYZ(52.8577, 58.5517,  
74.8454)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1CEDA
RGB	177, 206, 218
RGB Percent	69%, 81%, 85%
CMY	0.3059, 0.1921, 0.1451
CMYK	0.19, 0.06, 0.00, 0.15
HSL	198°, 36%, 77%
HSV	198°, 19%, 85%
XYZ	52.8577, 58.5517, 74.8454
YIQ	198.6970, -21.1360, -2.4160

# Conversions

## Conversions Part 2

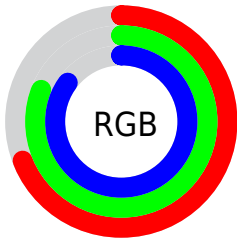
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 194, 218
Decimal	11652826
CIE Lab	81.04, -7.12, -9.19
CIE LCh	81, 11.626, 232.231
Yxy	58.5517, 0.2838, 0.3144
Android (android.graphics.Color)	4289842906 (0xFFB1CEDA)
YUV	198.6970, 9.5164, -19.0283
Hunter-Lab	76.5191, -10.6045, -4.4298

# Details

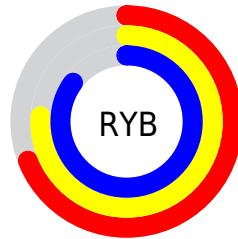
The XYZ color **52.8577, 58.5517, 74.8454** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.0474, 54.4751, 49.2097**, and the grayscale version is **54.0554, 56.8705, 61.9319**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **26.1513, 29.3859, 38.9441** is the 20% darker color. If you saturate the color by 10%, you get **46.7791, 53.1857, 74.1310**, and if you desaturate by 10%, it is **59.7954, 64.4561, 75.6203**.

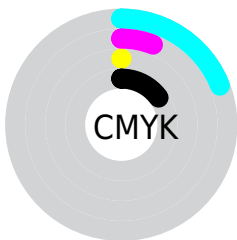
# Distribution



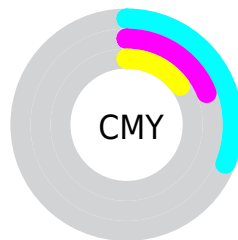
- Red (69%)
- Green (81%)
- Blue (85%)



- Red (69%)
- Yellow (76%)
- Blue (85%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)
- Black (15%)



- Cyan (31%)
- Magenta (19%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8577, 58.5517, 74.8454 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 52.8577, 58.5517, 74.8454 by changing the saturation by 10% instead.



■ 52.8577, 58.5517,  
74.8454

■ 52.8577, 58.5517,  
74.8454

388.0087,  
419.2386, 496.6273

■ 37.9162, 42.2523,  
54.9853

■ 93.5617, 102.7258,  
127.8386

■ 26.0946, 29.2989,  
38.9914

120.0549,  
131.3694, 161.8087

■ 17.0275, 19.3071,  
26.4453

151.1294,  
164.8965, 201.3193

■ 10.3495, 11.8924,  
16.9283

187.1506,  
203.6915, 246.7888

■ 5.6953, 6.6704,  
10.0220

228.4837,  
248.1388, 298.6358

■ 2.6996, 3.2569,  
5.3077

275.4942,

■ 0.9970, 1.2673,

298.6228, 357.2789

2.3670

328.5475,  
355.5279, 423.1365

■ 0.0000, 0.1156,  
0.7684

■ 0.0000, 0.0000,  
0.0000

■ 52.8577, 58.5517,  
74.8454

■ 52.8577, 58.5517,  
74.8454

■ 46.7791, 53.1857,  
74.1310

■ 59.7954, 64.4561,  
75.6203

■ 41.5159, 48.3301,  
73.4712

■ 67.6227, 70.9112,  
76.4538

■ 37.0287, 43.9649,  
72.8651

■ 76.3750, 77.9378,  
77.3487

■ 33.2722, 40.0655,  
72.3104

■ 82.6170, 83.7659,  
78.1447

■ 30.1961, 36.6051,  
71.8046

■ 84.4405, 87.4130,  
78.7525

■ 27.7436, 33.5530,  
71.3448

■ 86.3299, 91.1916,  
79.3823

■ 25.8475, 30.8735,  
70.9275

■ 88.2857, 95.1032,  
80.0342

■ 24.4041, 28.5118,  
70.5477

■ 89.6551, 97.8420,  
80.4907

■ 24.2453, 28.2425,  
70.5041

# Harmonies

## Analogous

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



51.4659, 58.5517, 68.9141



52.8577, 58.5517, 74.8454



55.0267, 58.5517, 77.8474

# Triad

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



52.8577, 58.5517, 74.8454



60.3770, 58.5517, 65.5662



53.9144, 58.5517, 52.2257

# Complementary

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



52.8577, 58.5517, 74.8454



55.0474, 54.4751, 49.2097

# 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.



56.2813, 58.5517, 51.4713



52.8577, 58.5517, 74.8454



60.0584, 58.5517, 58.8560

# Square

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



52.8577, 58.5517, 74.8454



59.4009, 58.5517, 72.2435



58.5423, 58.5517, 53.8143



52.0636, 58.5517, 55.9549



# Rectangle

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



52.8577, 58.5517, 74.8454



56.6405, 58.5517, 77.6424



58.5423, 58.5517, 53.8143



54.6744, 58.5517, 51.6272

# Sweetspot

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



52.8594, 58.5541, 74.8467



88.2317, 94.3895, 108.1764



52.3478, 63.1485, 57.3573



18.7325, 20.0763, 23.1378



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

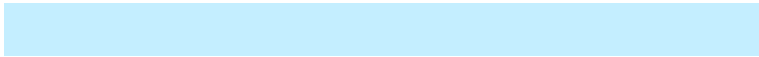


# Same Dimension

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



52.8594, 58.5541, 74.8467



71.4334, 80.0574, 106.2954



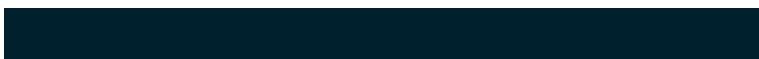
48.3219, 49.4790, 73.3342



13.1063, 14.1524, 16.6930



14.6224, 17.1142, 42.2711



1.0204, 1.2549, 2.7629



# Inverse Universe

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



55.7776, 50.8073, 65.2622



76.4678, 67.0615, 89.6779



59.6794, 63.7391, 50.7537



13.4435, 13.2065, 15.5969



20.8760, 10.3515, 19.5251

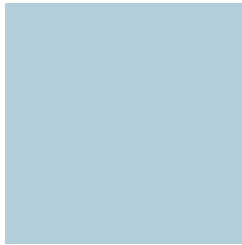


1.3893, 0.6854, 1.4592



# Previews

## White Background



This preview shows how the XYZ color 52.8577, 58.5517, 74.8454 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

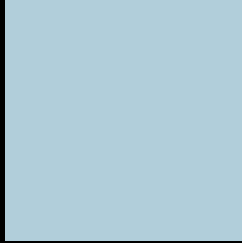
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.8577, 58.5517, 74.8454 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

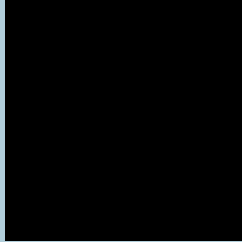
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 52.8577, 58.5517, 74.8454

## Background



This preview shows how black text looks on a background with the XYZ color 52.8577, 58.5517, 74.8454.



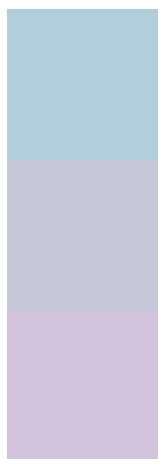
This preview shows how white text looks on a background with the XYZ color 52.8577, 58.5517,

74.8454.

# 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

52.8577, 58.5517, 74.8454

### Protanopia

56.8793, 58.5811, 71.9278

### Deuteranopia

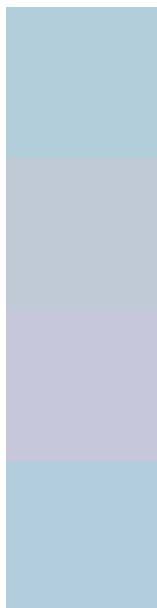
59.2973, 58.0464, 75.7889



## Tritanopia

53.3762, 58.4015, 77.5666

# Trichromacy



## Original Color

52.8577, 58.5517, 74.8454

## Protanomaly

55.1245, 58.3538, 72.6480

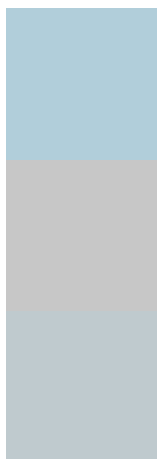
## Deuteranomaly

56.7628, 58.1034, 75.2412

## Tritanomaly

53.2426, 58.3481, 76.8627

# Monochromacy



## Original Color

52.8577, 58.5517, 74.8454

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

53.7470, 57.7737, 66.7112

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.8577, 58.5517, 74.8454 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(177, 206, 218)` looks like.

```
.text, #text, p{  
    color:rgb(177, 206, 218)  
}
```

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(177, 206, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 206, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 52.8577, 58.5517, 74.8454 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(177, 206, 218) }
```



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

```
.border{ border-color:rgb(177, 206, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 206, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 206, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 206, 218); box-shadow:4px 4px 4px 4px rgb(177, 206, 218) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.8577, 58.5517, 74.8454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 206, 218) }
```

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

```
.background{ background-color: rgb(177,  
206, 218) }
```

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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