

# Converting Colors

XYZ(50.7898, 53.4349, 58.1906)

Have a look what the booklet for  
XYZ(50.7898, 53.4349, 58.1906)  
contains.

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# **Color**

**XYZ(50.6879, 53.3276,  
58.0738)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C1C1C1
RGB	193, 193, 193
RGB Percent	76%, 76%, 76%
CMY	0.2431, 0.2431, 0.2431
CMYK	0.00, 0.00, 0.00, 0.24
HSL	122°, 0%, 76%
HSV	122°, 0%, 76%
XYZ	50.6879, 53.3276, 58.0738
YIQ	193.0000, -0.0000, -0.0000

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 193, 193
Decimal	12698049
CIE Lab	78.07, 0.00, -0.01
CIE LCh	78, 0.010, 296.935
Yxy	53.3276, 0.3127, 0.3290
Android (android.graphics.Color)	4290888129 (0xFFC1C1C1)
YUV	193.0000, 0.0000, 0.0000
Hunter-Lab	73.0257, -3.8964, 3.9676

# Details

The XYZ color **50.6879, 53.3276, 58.0738** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.6899, 53.3290, 58.0766**, and the grayscale version is **50.6898, 53.3296, 58.0760**.

A 20% lighter version of the original color is **90.0415, 94.7307, 103.1617**, and **24.9269, 26.2251, 28.5591** is the 20% darker color. If you saturate the color by 10%, you get **44.1324, 50.1753, 47.5735**, and if you desaturate by 10%, it is **58.1515, 56.9207, 69.9912**.

# Distribution



- Red (76%)
- Green (76%)
- Blue (76%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (24%)



- Cyan (24%)
- Magenta (24%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6879, 53.3276, 58.0738 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 50.6879, 53.3276, 58.0738 by changing the saturation by 10% instead.



■ 50.6879, 53.3276,  
58.0738

■ 50.6879, 53.3276,  
58.0738

379.7577,  
399.5407, 435.0668

■ 36.1803, 38.0644,  
41.4529

□ 90.3790, 95.0863,  
103.5462

■ 24.7442, 26.0326,  
28.3508

116.2932,  
122.3505, 133.2347

■ 16.0143, 16.8481,  
18.3489

146.7404,  
154.3838, 168.1162

■ 9.6252, 10.1262,  
11.0287

182.0859,  
191.5706, 208.6092

■ 5.2115, 5.4827,  
5.9718

222.6950,  
234.2953, 255.1322

■ 2.4079, 2.5332,  
2.7594

268.9331,

■ 0.8491, 0.8932,

282.9423, 308.1037

0.9731

321.1655,  
337.8960, 367.9424

■ 0.0000, 0.0000,  
0.0000

■ 50.6879, 53.3276,  
58.0738

■ 50.6879, 53.3276,  
58.0738

■ 44.1324, 50.1753,  
47.5735

■ 58.1515, 56.9207,  
69.9912

■ 38.4461, 47.4403,  
38.4342

■ 66.5512, 60.9635,  
83.3719

■ 33.5938, 45.1072,  
30.6013

■ 75.9196, 65.4731,  
98.2645

■ 29.5363, 43.1570,  
24.0150

■ 78.3610, 66.6220,  
103.3370

■ 26.2313, 41.5694,  
18.6113

■ 23.6324, 40.3219,  
14.3200

■ 21.6883, 39.3898,  
11.0637

■ 20.3406, 38.7447,  
8.7552

■ 19.5207, 38.3535,  
7.2929

# Harmonies

## Analogous

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



50.6861, 53.3276, 58.0749



50.6879, 53.3276, 58.0738



50.6893, 53.3276, 58.0703

# Triad

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



50.6879, 53.3276, 58.0738



50.6882, 53.3276, 58.0561



50.6827, 53.3276, 58.0641

# Complementary

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



50.6879, 53.3276, 58.0738



50.6899, 53.3290, 58.0766

# 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.



50.6833, 53.3276, 58.0591



50.6879, 53.3276, 58.0738



50.6865, 53.3276, 58.0545

# Square

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



50.6879, 53.3276, 58.0738



50.6895, 53.3276, 58.0601



50.6847, 53.3276, 58.0556



50.6831, 53.3276, 58.0693



# Rectangle

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



50.6879, 53.3276, 58.0738



50.6898, 53.3276, 58.0670



50.6847, 53.3276, 58.0556



50.6828, 53.3276, 58.0624

# Sweetspot

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



50.6894, 53.3299, 58.0750



90.7827, 95.5105, 104.0109



50.6902, 53.3303, 58.0749



19.4759, 20.4902, 22.3138



92.9021, 97.7402, 106.4391

# Same Dimension

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



50.6894, 53.3299, 58.0750



90.7827, 95.5105, 104.0109



50.6896, 53.3300, 58.0759



11.3376, 11.9280, 12.9896



12.7126, 25.3791, 4.3797



0.5540, 1.0984, 0.2140



# Inverse Universe

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



50.6899, 53.3290, 58.0766



90.7827, 95.5105, 104.0109



50.6897, 53.3289, 58.0756



11.3376, 11.9280, 12.9896



20.5767, 9.9205, 32.0129



0.8936, 0.4305, 1.4071



# Previews

## White Background



This preview shows how the XYZ color 50.6879, 53.3276, 58.0738 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 50.6879, 53.3276, 58.0738 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](#).

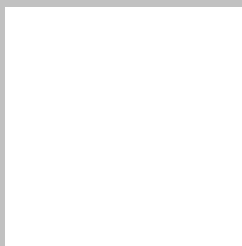


**XYZ 50.6879, 53.3276, 58.0738**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.6879, 53.3276, 58.0738.



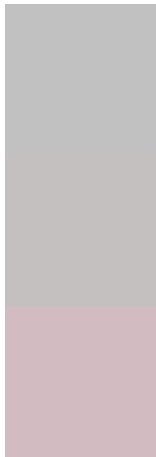
This preview shows how white text looks on a background with the XYZ color 50.6879, 53.3276,



# 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

50.6879, 53.3276, 58.0738

### Protanopia

51.1290, 53.2408, 57.4509

### Deuteranopia

54.3719, 53.2846, 58.4582



## Tritanopia

52.2771, 53.3199, 65.9290

# Trichromacy



## Original Color

50.6879, 53.3276, 58.0738

## Protanomaly

50.8697, 53.1071, 57.4388

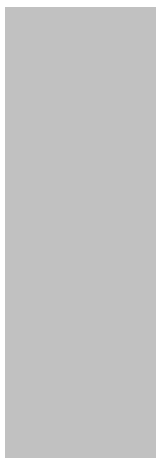
## Deuteranomaly

52.8370, 53.1276, 58.5088

## Tritanomaly

51.6404, 53.3857, 62.8411

# Monochromacy



## Original Color

50.6879, 53.3276, 58.0738

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

50.6879, 53.3276, 58.0738

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.6879, 53.3276, 58.0738 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(193, 193, 193)` looks like.

```
.text, #text, p{  
    color:rgb(193, 193, 193)  
}
```

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(193, 193, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 193, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 50.6879, 53.3276, 58.0738 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(193, 193, 193) }
```

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

```
.border{ border-color:rgb(193, 193, 193) }
```

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

Here you see how a box with a 4 pixel rgb(193, 193, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 193, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 193, 193);  
box-shadow:4px 4px 4px 4px rgb(193, 193,  
193) }
```



# Background

The CSS property to change the background color of an element to XYZ 50.6879, 53.3276, 58.0738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 193, 193) }
```

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

```
.background{ background-color: rgb(193,  
193, 193) }
```

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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