

# Converting Colors

XYZ(51.0198, 53.4467, 58.7816)

Have a look what the booklet for  
XYZ(51.0198, 53.4467, 58.7816)  
contains.

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# **Color**

**XYZ(51.0557, 53.5043,  
58.6754)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C2C1C2
RGB	194, 193, 194
RGB Percent	76%, 76%, 76%
CMY	0.2392, 0.2431, 0.2392
CMYK	0.00, 0.01, 0.00, 0.24
HSL	300°, 1%, 76%
HSV	300°, 1%, 76%
XYZ	51.0557, 53.5043, 58.6754
YIQ	193.4130, 0.2750, 0.5230

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">194, 193, 194</a>
Decimal	<a href="#">12763586</a>
CIELab	<a href="#">78.17, 0.54, -0.39</a>
CIELCh	<a href="#">78, 0.661, 324.087</a>
Yxy	<a href="#">53.5043, 0.3128, 0.3278</a>
Android (android.graphics.Color)	<a href="#">4290953666</a> ( <a href="#">0xFFC2C1C2</a> )
YUV	<a href="#">193.4130, 0.2894, 0.5148</a>
Hunter-Lab	<a href="#">73.1466, -3.4152, 3.6425</a>

# Details

The XYZ color **51.0557, 53.5043, 58.6754** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.9118, 53.7728, 58.1506**, and the grayscale version is **50.9311, 53.5835, 58.3524**.

A 20% lighter version of the original color is **90.5553, 94.9775, 104.0022**, and **24.9269, 26.2251, 28.5591** is the 20% darker color. If you saturate the color by 10%, you get **47.0453, 45.4838, 57.3395**, and if you desaturate by 10%, it is **55.6317, 62.6546, 60.2012**.

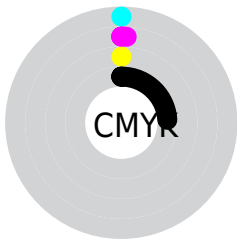
# Distribution



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



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



- Cyan (0%)
- Magenta (1%)
- Yellow (0%)
- Black (24%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0557, 53.5043, 58.6754 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 51.0557, 53.5043, 58.6754 by changing the saturation by 10% instead.



■ 51.0557, 53.5043,  
58.6754

■ 51.0557, 53.5043,  
58.6754

381.1643,  
400.2169, 437.3663

■ 36.4742, 38.2055,  
41.9336

□ 90.9196, 95.3460,  
104.4302

■ 24.9724, 26.1422,  
28.7241

116.9327,  
122.6577, 134.2803

■ 16.1851, 16.9301,  
18.6284

147.4870,  
154.7426, 169.3369

■ 9.7469, 10.1846,  
11.2280

182.9478,  
191.9849, 210.0185

■ 5.2925, 5.5216,  
6.1043

223.6807,  
234.7691, 256.7437

■ 2.4564, 2.5564,  
2.8388

270.0508,

■ 0.8733, 0.9048,

283.4795, 309.9311

1.0129

322.4235,  
338.5007, 369.9991

■ 0.0000, 0.0000,  
0.0000

■ 51.0557, 53.5043,  
58.6754

■ 51.0557, 53.5043,  
58.6754

■ 47.0453, 45.4838,  
57.3395

■ 55.6317, 62.6546,  
60.2012

■ 43.5742, 38.5426,  
56.1826

■ 60.7893, 72.9688,  
61.9202

■ 40.6208, 32.6369,  
55.1984

■ 66.5496, 84.4882,  
63.8401

■ 38.1604, 27.7170,  
54.3784

■ 67.7490, 86.8860,  
64.2397

■ 36.1660, 23.7293,  
53.7138

■ 67.7497, 86.8864,  
64.2397

34.6083, 20.6149,  
53.1948

67.7504, 86.8867,  
64.2398

33.4546, 18.3085,  
52.8104

67.7511, 86.8871,  
64.2398

32.6675, 16.7355,  
52.5483

67.7517, 86.8875,  
64.2398

32.2029, 15.8072,  
52.3936

67.7524, 86.8878,  
64.2399

# Harmonies

## Analogous

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



50.9557, 53.5043, 58.9090



51.0557, 53.5043, 58.6754



51.1017, 53.5043, 58.3304

# Triad

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



51.0557, 53.5043, 58.6754



50.8798, 53.5043, 57.5523



50.6278, 53.5043, 58.5479

# Complementary

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



51.0557, 53.5043, 58.6754



50.9118, 53.7728, 58.1506

# 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.



50.6075, 53.5043, 58.1838



51.0557, 53.5043, 58.6754



50.7529, 53.5043, 57.6100

# Square

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



51.0557, 53.5043, 58.6754



51.0001, 53.5043, 57.6828



50.6533, 53.5043, 57.8408



50.7087, 53.5043, 58.8352



# Rectangle

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



51.0557, 53.5043, 58.6754



51.0956, 53.5043, 58.0841



50.6533, 53.5043, 57.8408



50.6137, 53.5043, 58.4304

# Sweetspot

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



51.0572, 53.5066, 58.6766



92.9021, 97.7402, 106.4391



50.8059, 53.3825, 58.6659



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

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



51.0572, 53.5066, 58.6766



92.1125, 96.1613, 106.1759



51.0032, 53.4850, 58.3920



11.2487, 11.7502, 12.9600



21.0252, 10.0993, 34.3978



0.9085, 0.4364, 1.4862



# Inverse Universe

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



50.9457, 53.4620, 58.0890



91.7142, 96.0020, 104.0779



50.9656, 53.7943, 58.4342



11.2038, 11.7323, 12.7238



14.6276, 7.5408, 0.6852

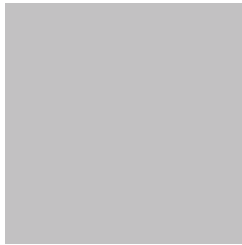


0.6320, 0.3258, 0.0297



# Previews

## White Background



This preview shows how the XYZ color 51.0557, 53.5043, 58.6754 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 51.0557, 53.5043, 58.6754 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

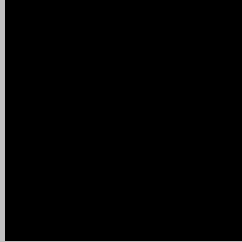
Any Text WCAG AAA ✓ Pass

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

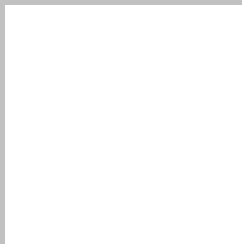


# XYZ 51.0557, 53.5043, 58.6754

## Background



This preview shows how black text looks on a background with the XYZ color 51.0557, 53.5043, 58.6754.



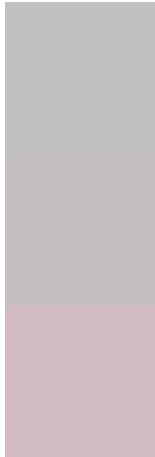
This preview shows how white text looks on a background with the XYZ color 51.0557, 53.5043,



# 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

51.0557, 53.5043, 58.6754

### Protanopia

51.3522, 53.3301, 58.6261

### Deuteranopia

54.4846, 53.3297, 59.0518



## Tritanopia

52.5363, 53.4536, 65.9411

# Trichromacy



## Original Color

51.0557, 53.5043, 58.6754

## Protanomaly

51.0929, 53.1964, 58.6140

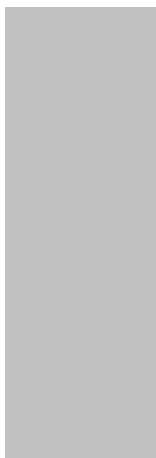
## Deuteranomaly

53.2248, 53.3145, 59.1152

## Tritanomaly

52.0160, 53.5656, 63.4748

# Monochromacy



## Original Color

51.0557, 53.5043, 58.6754

## 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 51.0557, 53.5043, 58.6754 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(194, 193, 194)` looks like.

```
.text, #text, p{  
    color:rgb(194, 193, 194)  
}
```

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(194, 193, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 193, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0557, 53.5043, 58.6754 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(194, 193, 194) }
```

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

```
.border{ border-color:rgb(194, 193, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 193, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 193, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 193, 194);  
box-shadow:4px 4px 4px 4px rgb(194, 193,  
194) }
```



# Background

The CSS property to change the background color of an element to XYZ 51.0557, 53.5043, 58.6754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 193, 194) }
```

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

```
.background{ background-color: rgb(194,  
193, 194) }
```

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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