

# Converting Colors

XYZ(52.6593, 58.6080, 49.4953)

Have a look what the booklet for  
XYZ(52.6593, 58.6080, 49.4953)  
contains.

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# Color

**XYZ(52.6938, 58.6675,  
49.6210)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5CDB0
RGB	197, 205, 176
RGB Percent	77%, 80%, 69%
CMY	0.2274, 0.1961, 0.3098
CMYK	0.04, 0.00, 0.14, 0.20
HSL	77°, 22%, 75%
HSV	77°, 14%, 80%
XYZ	52.6938, 58.6675, 49.6210
YIQ	199.3020, 4.5410, -10.7150

# Conversions

## Conversions Part 2

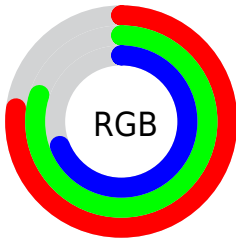
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 205, 184
Decimal	12963248
CIE <sub>Lab</sub>	81.11, -7.82, 13.52
CIE <sub>LCh</sub>	81, 15.619, 120.052
Yxy	58.6675, 0.3273, 0.3644
Android (android.graphics.Color)	4291153328 (0xFFC5CDB0)
YUV	199.3020, -11.4879, -2.0189
Hunter-Lab	76.5947, -11.2406, 15.2060

# Details

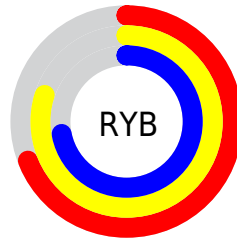
The XYZ color **52.6938, 58.6675, 49.6210** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **46.3141, 45.6503, 64.1310**, and the grayscale version is **54.5386, 57.3788, 62.4855**.

A 20% lighter version of the original color is **91.1985, 98.4170, 90.5336**, and **25.9695, 29.4029, 23.0455** is the 20% darker color. If you saturate the color by 10%, you get **49.3635, 57.1694, 39.6645**, and if you desaturate by 10%, it is **56.3892, 60.3220, 61.1960**.

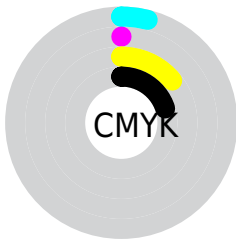
# Distribution



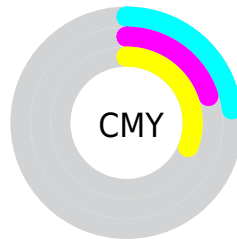
- Red (77%)
- Green (80%)
- Blue (69%)



- Red (69%)
- Yellow (80%)
- Blue (72%)



- Cyan (4%)
- Magenta (0%)
- Yellow (14%)
- Black (20%)



- Cyan (23%)
- Magenta (20%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.6938, 58.6675, 49.6210 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 52.6938, 58.6675, 49.6210 by changing the saturation by 10% instead.



■ 52.6938, 58.6675,  
49.6210

■ 52.6938, 58.6675,  
49.6210

387.3894,  
419.6686, 401.8745

■ 37.7849, 42.3455,  
34.7433

■ 93.3218, 102.8943,  
91.0036

■ 25.9922, 29.3719,  
23.1832

119.7717,  
131.5678, 118.3455

■ 16.9505, 19.3624,  
14.5223

150.7992,  
165.1274, 150.6793

■ 10.2943, 11.9324,  
8.3419

186.7697,  
203.9573, 188.4235

■ 5.6583, 6.6977,  
4.2236

228.0486,  
248.4420, 231.9965

■ 2.6771, 3.2738,  
1.7488

275.0013,

■ 0.9854, 1.2763,

298.9658, 281.8170

0.3939

327.9931,  
355.9132, 338.3035

■ 0.0000, 0.1227,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 52.6938, 58.6675,  
49.6210

■ 52.6938, 58.6675,  
49.6210

■ 49.3635, 57.1694,  
39.6645

■ 56.3892, 60.3220,  
61.1960

■ 46.3794, 55.8141,  
31.2507

■ 60.4584, 62.1305,  
74.4533

■ 43.7276, 54.5981,  
24.3031

■ 64.9158, 64.1009,  
89.4579

■ 41.3915, 53.5146,  
18.7374

■ 69.2858, 66.0429,  
103.7035

■ 39.3528, 52.5562,  
14.4607

■ 71.0234, 66.9387,  
103.7849

■ 37.5912, 51.7146,  
11.3687

■ 72.8195, 67.8646,  
103.8689

■ 36.0830, 50.9804,  
9.3407

■ 74.6746, 68.8209,  
103.9557

■ 34.7998, 50.3421,  
8.2306

■ 76.5893, 69.8080,  
104.0453

■ 34.1236, 50.0013,  
7.8527

■ 78.5641, 70.8260,  
104.1378

# Harmonies

## Analogous

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



55.7560, 58.6675, 47.6178



52.6938, 58.6675, 49.6210



50.5260, 58.6675, 55.3637

# Triad

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



52.6938, 58.6675, 49.6210



52.7032, 58.6675, 80.6547



62.2396, 58.6675, 63.8627

# Complementary

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



52.6938, 58.6675, 49.6210



46.3141, 45.6503, 64.1310

# 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.



61.3471, 58.6675, 73.2254



52.6938, 58.6675, 49.6210



55.7674, 58.6675, 83.4753

# Square

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



52.6938, 58.6675, 49.6210



50.5313, 58.6675, 73.2561



58.9464, 58.6675, 80.6357



61.3411, 58.6675, 55.3382



# Rectangle

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



52.6938, 58.6675, 49.6210



49.8367, 58.6675, 60.8401



58.9464, 58.6675, 80.6357



62.1387, 58.6675, 67.0173

# Sweetspot

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



52.6954, 58.6701, 49.6223



92.4229, 98.8304, 100.4312



50.1004, 50.2858, 48.1407



19.6790, 21.1077, 21.1664



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

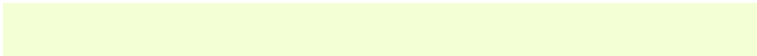


# Same Dimension

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



52.6954, 58.6701, 49.6223



84.5746, 95.3172, 75.9966



49.1426, 56.8386, 49.4560



11.8403, 12.9351, 11.9521



21.3380, 31.1755, 4.8928



1.1717, 1.6449, 0.2557



# Inverse Universe

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



46.3141, 45.6503, 64.1310



72.1266, 69.9176, 104.3017



49.8970, 47.4974, 64.2987



10.8875, 10.9913, 14.1181



7.9750, 3.3188, 36.1765



0.4861, 0.2097, 1.8698



# Previews

## White Background



This preview shows how the XYZ color 52.6938, 58.6675, 49.6210 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 52.6938, 58.6675, 49.6210 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

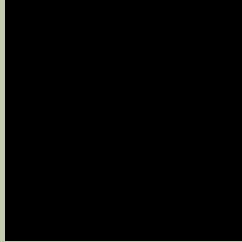
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 52.6938, 58.6675, 49.6210

## Background



This preview shows how black text looks on a background with the XYZ color 52.6938, 58.6675, 49.6210.



This preview shows how white text looks on a background with the XYZ color 52.6938, 58.6675,



# 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

52.6938, 58.6675, 49.6210

### Protanopia

55.3906, 58.6782, 48.4510

### Deuteranopia

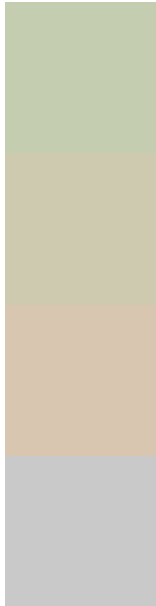
59.6408, 58.4559, 50.2592



## Tritanopia

57.3178, 58.4497, 72.5509

# Trichromacy



## Original Color

52.6938, 58.6675, 49.6210

## Protanomaly

54.3120, 58.4580, 48.9784

## Deuteranomaly

56.7452, 58.3142, 49.8599

## Tritanomaly

55.5167, 58.4078, 63.6061

# Monochromacy



## Original Color

52.6938, 58.6675, 49.6210

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

53.5793, 57.5406, 57.5727

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.6938, 58.6675, 49.6210 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(197, 205, 176)` looks like.

```
.text, #text, p{  
    color:rgb(197, 205, 176)  
}
```

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(197, 205, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 205, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 52.6938, 58.6675, 49.6210 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(197, 205, 176) }
```



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

```
.border{ border-color:rgb(197, 205, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 205, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 205, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 205, 176); box-shadow:4px 4px 4px 4px rgb(197, 205, 176) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.6938, 58.6675, 49.6210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 205, 176) }
```

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

```
.background{ background-color: rgb(197,  
205, 176) }
```

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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