

# Converting Colors

XYZ(52.1176, 56.8020, 47.2472)

Have a look what the booklet for  
XYZ(52.1176, 56.8020, 47.2472)  
contains.

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# Color

**XYZ(51.9201, 56.5665,  
47.2117)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8C8AC
RGB	200, 200, 172
RGB Percent	78%, 78%, 67%
CMY	0.2157, 0.2157, 0.3255
CMYK	0.00, 0.00, 0.14, 0.22
HSL	60°, 20%, 73%
HSV	60°, 14%, 78%
XYZ	51.9201, 56.5665, 47.2117
YIQ	196.8080, 8.9880, -8.7080

# Conversions

## Conversions Part 2

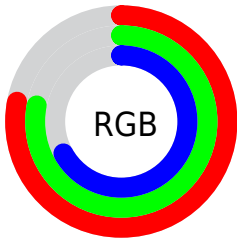
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 200, 172
Decimal	13158572
CIELab	79.94, -4.78, 14.03
CIELCh	80, 14.822, 108.832
Yxy	56.5665, 0.3335, 0.3633
Android (android.graphics.Color)	4291348652 (0xFFC8C8AC)
YUV	196.8080, -12.2303, 2.7994
Hunter-Lab	75.2107, -8.3951, 15.4296

# Details

The XYZ color **51.9201, 56.5665, 47.2117** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.1934, 42.4474, 60.6160**, and the grayscale version is **53.0240, 55.7854, 60.7503**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **25.5231, 28.0248, 21.8334** is the 20% darker color. If you saturate the color by 10%, you get **50.1418, 55.8570, 37.8450**, and if you desaturate by 10%, it is **53.9906, 57.3967, 58.1035**.

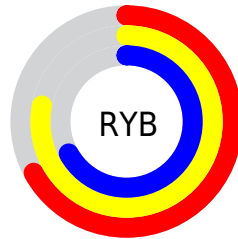
# Distribution



Red (78%)

Green (78%)

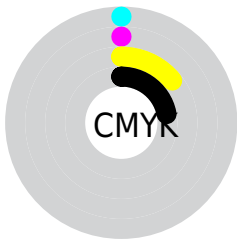
Blue (67%)



Red (67%)

Yellow (78%)

Blue (67%)

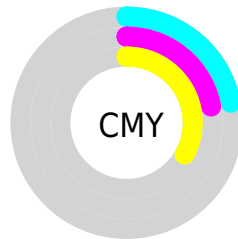


Cyan (0%)

Magenta (0%)

Yellow (14%)

Black (22%)



Cyan (22%)

Magenta (22%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9201, 56.5665, 47.2117 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 51.9201, 56.5665, 47.2117 by changing the saturation by 10% instead.



■ 51.9201, 56.5665,  
47.2117

■ 51.9201, 56.5665,  
47.2117

384.4571,  
411.8229, 392.0771

■ 37.1654, 40.6573,  
32.8475

■ 92.1883, 99.8324,  
87.3828

■ 25.5098, 28.0514,  
21.7395

118.4326,  
127.9578, 114.0268

■ 16.5881, 18.3644,  
13.4691

149.2373,  
160.9242, 145.6012

■ 10.0347, 11.2119,  
7.6179

184.9680,  
199.1158, 182.5244

■ 5.4844, 6.2096,  
3.7672

225.9900,  
242.9171, 225.2151

■ 2.5718, 2.9729,  
1.4985

272.6686,

■ 0.9316, 1.1176,

292.7125, 274.0918

0.2168

325.3692,  
348.8863, 329.5729

■ 0.0000, 0.0000,  
0.0000

■ 51.9201, 56.5665,  
47.2117

■ 51.9201, 56.5665,  
47.2117

■ 50.1418, 55.8570,  
37.8450

■ 53.9906, 57.3967,  
58.1035

■ 48.6383, 55.2555,  
29.9319

■ 56.3607, 58.3448,  
70.5803

■ 47.3972, 54.7589,  
23.4007

■ 59.0435, 59.4180,  
84.7032

■ 46.4035, 54.3613,  
18.1722

■ 62.0497, 60.6206,  
100.5291

■ 45.6405, 54.0561,  
14.1591

■ 62.5292, 60.8125,  
103.0501

■ 45.0898, 53.8357,  
11.2635

■ 62.5301, 60.8130,  
103.0501

■ 44.7299, 53.6916,  
9.3724

■ 62.5309, 60.8134,  
103.0502

■ 44.5347, 53.6135,  
8.3490

■ 62.5318, 60.8138,  
103.0502

■ 44.4679, 53.5867,  
7.9996

■ 62.5326, 60.8143,  
103.0502

# Harmonies

## Analogous

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



54.8924, 56.5665, 46.7336



51.9201, 56.5665, 47.2117



49.5290, 56.5665, 51.3223

# Triad

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



51.9201, 56.5665, 47.2117



50.0481, 56.5665, 74.9151



59.6384, 56.5665, 64.8543

# Complementary

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



51.9201, 56.5665, 47.2117



42.1934, 42.4474, 60.6160

# 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.



58.2354, 56.5665, 73.1462



51.9201, 56.5665, 47.2117



52.6527, 56.5665, 79.3051

# Square

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



51.9201, 56.5665, 47.2117



48.4764, 56.5665, 67.0920



55.6526, 56.5665, 78.6291



59.4244, 56.5665, 56.3998



# Rectangle

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



51.9201, 56.5665, 47.2117



48.5517, 56.5665, 55.8037



55.6526, 56.5665, 78.6291



59.3382, 56.5665, 67.7659

# Sweetspot

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



51.9216, 56.5690, 47.2129



93.4503, 99.3601, 100.4793



46.0202, 44.7644, 45.2454



19.9399, 21.2422, 21.1786



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.



51.9216, 56.5690, 47.2129



88.8370, 97.5145, 76.1961



48.3525, 54.7291, 47.0459



11.5238, 12.4169, 11.3521



28.2727, 34.0704, 5.0861



1.3388, 1.6133, 0.2408



# Inverse Universe

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



42.1934, 42.4474, 60.6160



68.5586, 68.0783, 104.1347



45.4293, 44.1156, 60.7675



10.0569, 10.2876, 13.3731



6.6291, 2.6517, 34.9068

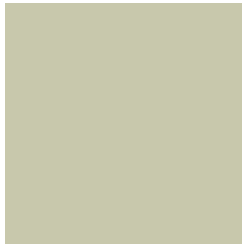


0.3139, 0.1256, 1.6528



# Previews

## White Background



This preview shows how the XYZ color 51.9201, 56.5665, 47.2117 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

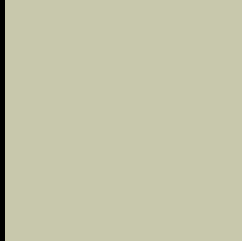
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.9201, 56.5665, 47.2117 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

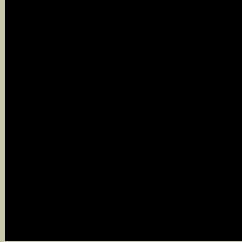
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

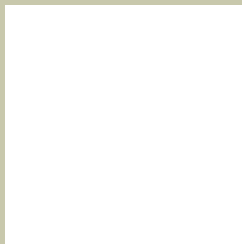
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.9201, 56.5665, 47.2117

## Background



This preview shows how black text looks on a background with the XYZ color 51.9201, 56.5665, 47.2117.



This preview shows how white text looks on a background with the XYZ color 51.9201, 56.5665,



# 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

51.9201, 56.5665, 47.2117

### Protanopia

53.5572, 56.7383, 46.6569

### Deuteranopia

57.6348, 56.4863, 47.9097



## Tritanopia

56.3248, 56.6625, 68.9411

# Trichromacy



## Original Color

51.9201, 56.5665, 47.2117

## Protanomaly

52.9509, 56.7663, 46.6942

## Deuteranomaly

55.4499, 56.3524, 47.4897

## Tritanomaly

54.5587, 56.6145, 60.2767

# Monochromacy



## Original Color

51.9201, 56.5665, 47.2117

## Achromatopsia

53.0703, 55.8340, 60.8033

## Achromatomaly

52.5599, 56.0248, 55.6206

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.9201, 56.5665, 47.2117 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(200, 200, 172)` looks like.

```
.text, #text, p{  
    color:rgb(200, 200, 172)  
}
```

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(200, 200, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 200, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 51.9201, 56.5665, 47.2117 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(200, 200, 172) }
```



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

```
.border{ border-color:rgb(200, 200, 172) }
```

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

Here you see how a box with a 4 pixel rgb(200, 200, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 200, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 200, 172);  
box-shadow:4px 4px 4px 4px rgb(200, 200,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.9201, 56.5665, 47.2117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 200, 172) }
```

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

```
.background{ background-color: rgb(200,  
200, 172) }
```

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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