

# Converting Colors

XYZ(45.4523, 45.8769, 47.0170)

Have a look what the booklet for  
XYZ(45.4523, 45.8769, 47.0170)  
contains.

<b>XYZ(45.4523, 45.8769, 47.0170)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(45.4523, 45.8769,  
47.0170)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C1B1AF
RGB	193, 177, 175
RGB Percent	76%, 69%, 69%
CMY	0.2431, 0.3059, 0.3137
CMYK	0.00, 0.08, 0.09, 0.24
HSL	7°, 13%, 72%
HSV	7°, 9%, 76%
XYZ	45.4523, 45.8769, 47.0170
YIQ	181.5560, 10.1780, 2.7700

# Conversions

## Conversions Part 2

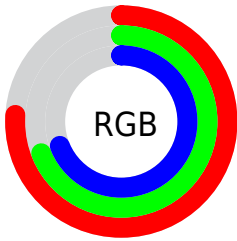
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 177, 175
Decimal	12693935
CIELab	73.47, 5.37, 3.08
CIELCh	73, 6.193, 29.849
Yxy	45.8769, 0.3285, 0.3316
Android (android.graphics.Color)	4290884015 (0xFFC1B1AF)
YUV	181.5560, -3.2321, 10.0364
Hunter-Lab	67.7325, 1.2517, 6.2562

# Details

The XYZ color **45.4523, 45.8769, 47.0170** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.9354, 50.2248, 57.7258**, and the grayscale version is **44.2363, 46.5400, 50.6821**.

A 20% lighter version of the original color is **82.8462, 84.3150, 86.7709**, and **21.4303, 21.3343, 21.7273** is the 20% darker color. If you saturate the color by 10%, you get **40.5133, 38.8184, 36.6774**, and if you desaturate by 10%, it is **51.0907, 53.8995, 58.9275**.

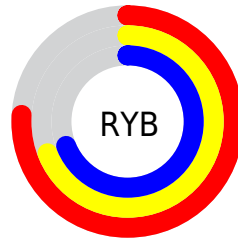
# Distribution



Red (76%)

Green (69%)

Blue (69%)



Red (76%)

Yellow (69%)

Blue (69%)

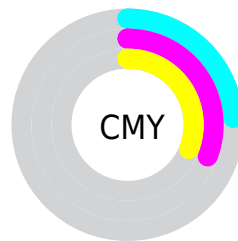


Cyan (0%)

Magenta (8%)

Yellow (9%)

Black (24%)



Cyan (24%)

Magenta (31%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4523, 45.8769, 47.0170 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 45.4523, 45.8769, 47.0170 by changing the saturation by 10% instead.



■ 45.4523, 45.8769,  
47.0170

■ 45.4523, 45.8769,  
47.0170

359.3553,  
370.3135, 391.2781

■ 32.0166, 32.1487,  
32.6947

■ 82.6316, 84.0347,  
87.0892

■ 21.5298, 21.4751,  
21.6234

107.1060,  
109.2332, 113.6762

■ 13.6265, 13.4717,  
13.3848

135.9906,  
139.0238, 145.1885

■ 7.9413, 7.7542,  
7.5602

169.6509,  
173.7910, 182.0446

■ 4.1089, 3.9381,  
3.7311

208.4521,  
213.9191, 224.6631

■ 1.7639, 1.6390,  
1.4790

252.7597,

■ 0.4958, 0.3837,

259.7927, 273.4624

0.2022

302.9389,  
311.7960, 328.8613

■ 0.0000, 0.0000,  
0.0000

■ 45.4523, 45.8769,  
47.0170

■ 45.4523, 45.8769,  
47.0170

■ 40.5133, 38.8184,  
36.6774

■ 51.0907, 53.8995,  
58.9275

■ 36.2427, 32.6818,  
27.8404

■ 57.4502, 62.9142,  
72.4675

■ 32.6127, 27.4310,  
20.4366

■ 64.5566, 72.9555,  
87.6964

■ 29.5923, 23.0248,  
14.3906

■ 72.4331, 84.0544,  
104.6696

■ 27.1478, 19.4191,  
9.6197

■ 75.8025, 90.0775,  
107.9992

■ 25.2422, 16.5655,  
6.0321

■ 23.8341, 14.4106,  
3.5240

■ 22.8759, 12.8937,  
1.9732

■ 22.2989, 11.9389,  
1.1665

# Harmonies

## Analogous

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



45.7394, 45.8769, 49.9681



45.4523, 45.8769, 47.0170



44.6684, 45.8769, 44.9280

# Triad

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



45.4523, 45.8769, 47.0170



41.8131, 45.8769, 46.9905



43.5991, 45.8769, 56.2137

# Complementary

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



45.4523, 45.8769, 47.0170



45.9354, 50.2248, 57.7258

# 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.



42.5579, 45.8769, 55.3375



45.4523, 45.8769, 47.0170



41.5373, 45.8769, 49.9362

# Square

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



45.4523, 45.8769, 47.0170



42.5673, 45.8769, 44.9132



41.8077, 45.8769, 53.0070



44.6586, 45.8769, 55.3546



# Rectangle

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



45.4523, 45.8769, 47.0170



43.9759, 45.8769, 44.2606



41.8077, 45.8769, 53.0070



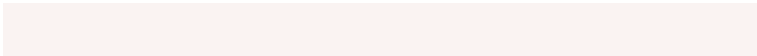
43.2354, 45.8769, 56.1119

# Sweetspot

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



45.4536, 45.8789, 47.0180



87.5978, 90.9840, 97.2669



46.7488, 45.7684, 55.7764



18.6152, 19.2667, 20.4917



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

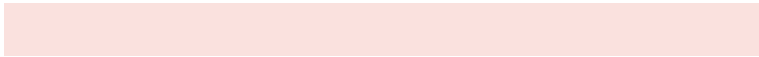


# Same Dimension

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



45.4536, 45.8789, 47.0180



79.6811, 79.7068, 80.5817



47.2475, 49.4667, 47.6160



10.1615, 10.2544, 10.5056



14.8419, 7.9695, 0.7560



0.6721, 0.4059, 0.0429



# Inverse Universe

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



45.9354, 50.2248, 57.7258



80.7018, 88.9143, 103.2690



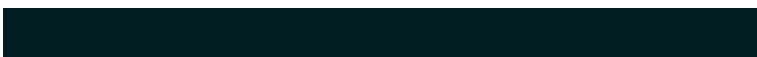
44.0744, 46.5027, 57.1054



10.2697, 11.2308, 12.9113



16.1899, 22.1364, 36.9761



0.7273, 1.0121, 1.6069



# Previews

## White Background



This preview shows how the XYZ color 45.4523, 45.8769, 47.0170 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 45.4523, 45.8769, 47.0170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

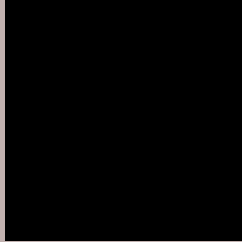
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.4523, 45.8769, 47.0170**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.4523, 45.8769, 47.0170.



This preview shows how white text looks on a background with the XYZ color 45.4523, 45.8769,



# 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

45.4523, 45.8769, 47.0170

### Protanopia

44.2647, 46.1311, 48.1662

### Deuteranopia

46.8873, 46.0344, 46.9718



## Tritanopia

47.0210, 45.9362, 54.5324

# Trichromacy



## Original Color

45.4523, 45.8769, 47.0170

## Protanomaly

44.6956, 46.0662, 47.6102

## Deuteranomaly

46.2892, 46.0161, 46.9997

## Tritanomaly

46.4252, 45.9807, 51.7757

# Monochromacy



## Original Color

45.4523, 45.8769, 47.0170

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

44.7076, 46.3363, 49.2353

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.4523, 45.8769, 47.0170 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, 177, 175)` looks like.

```
.text, #text, p{  
    color:rgb(193, 177, 175)  
}
```

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, 177, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 177, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 45.4523, 45.8769, 47.0170 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, 177, 175) }
```



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

```
.border{ border-color:rgb(193, 177, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 177, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 177, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 177, 175);  
box-shadow:4px 4px 4px 4px rgb(193, 177,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.4523, 45.8769, 47.0170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 177, 175) }
```

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

```
.background{ background-color: rgb(193,  
177, 175) }
```

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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