

# Converting Colors

XYZ(46.0326, 45.2668, 52.8099)

Have a look what the booklet for  
XYZ(46.0326, 45.2668, 52.8099)  
contains.

<b>XYZ(45.9913, 45.1547, 52.7461)</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(45.9913, 45.1547,  
52.7461)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1AEBA
RGB	193, 174, 186
RGB Percent	76%, 68%, 73%
CMY	0.2431, 0.3176, 0.2706
CMYK	0.00, 0.10, 0.04, 0.24
HSL	322°, 13%, 72%
HSV	322°, 10%, 76%
XYZ	45.9913, 45.1547, 52.7461
YIQ	181.0490, 7.4720, 7.7600

# Conversions

## Conversions Part 2

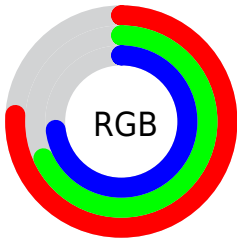
Format	Color
R <sub>Y</sub> B	193, 174, 186
Decimal	12693178
CIE Lab	72.99, 8.95, -3.64
CIE LCh	73, 9.657, 337.871
Yxy	45.1547, 0.3196, 0.3138
Android (android.graphics.Color)	4290883258 (0xFFC1AEBA)
YUV	181.0490, 2.4408, 10.4810
Hunter-Lab	67.1972, 4.5742, 0.4987

# Details

The XYZ color **45.9913, 45.1547, 52.7461** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.8677, 50.4760, 51.0965**, and the grayscale version is **43.9329, 46.2209, 50.3345**.

A 20% lighter version of the original color is **83.1132, 82.5892, 95.5652**, and **21.8406, 21.1015, 25.1122** is the 20% darker color. If you saturate the color by 10%, you get **41.7903, 37.9322, 47.7082**, and if you desaturate by 10%, it is **50.7683, 53.4677, 58.1627**.

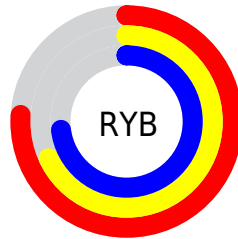
# Distribution



Red (76%)

Green (68%)

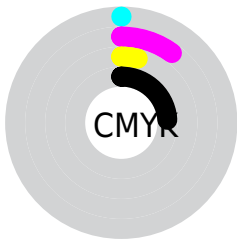
Blue (73%)



Red (76%)

Yellow (68%)

Blue (73%)

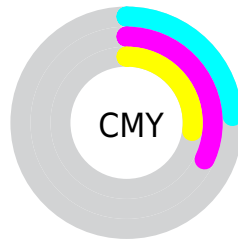


Cyan (0%)

Magenta (10%)

Yellow (4%)

Black (24%)



Cyan (24%)

Magenta (32%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9913, 45.1547, 52.7461 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 45.9913, 45.1547, 52.7461 by changing the saturation by 10% instead.



■ 45.9913, 45.1547,  
52.7461

■ 45.9913, 45.1547,  
52.7461

361.4902,  
367.3997, 414.3489

■ 32.4436, 31.5793,  
37.2138

■ 83.4339, 82.9525,  
95.6684

■ 21.8577, 21.0404,  
25.0760

108.0595,  
107.9437, 123.8955

■ 13.8684, 13.1535,  
15.9141

137.1084,  
137.5089, 157.1912

■ 8.1103, 7.5343,  
9.3097

170.9460,  
172.0326, 195.9742

■ 4.2180, 3.7985,  
4.8442

209.9376,  
211.8992, 240.6629

■ 1.8262, 1.5615,  
2.0990

254.4486,

■ 0.5334, 0.3314,

257.4929, 291.6759

0.6152

304.8443,  
309.1983, 349.4317

■ 0.0000, 0.0000,  
0.0000

■ 45.9913, 45.1547,  
52.7461

■ 45.9913, 45.1547,  
52.7461

■ 41.7903, 37.9322,  
47.7082

■ 50.7683, 53.4677,  
58.1627

■ 38.1382, 31.7486,  
43.0358

■ 56.1392, 62.9081,  
63.9651

■ 35.0112, 26.5569,  
38.7187

■ 62.1262, 73.5188,  
70.1636

■ 32.3824, 22.3041,  
34.7452

■ 68.7488, 85.3381,  
76.7675

■ 30.2226, 18.9324,  
31.1026

■ 70.8786, 88.1080,  
82.0695

■ 28.4990, 16.3775,  
27.7771

■ 71.8497, 88.4965,  
87.1836

■ 27.1745, 14.5661,  
24.7533

■ 72.8616, 88.9012,  
92.5118

■ 26.2054, 13.4119,  
22.0136

■ 73.9145, 89.3224,  
98.0567

■ 25.5085, 12.7492,  
19.5271

■ 75.0091, 89.7602,  
103.8208

# Harmonies

## Analogous

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



44.9389, 45.1547, 56.8637



45.9913, 45.1547, 52.7461



46.2097, 45.1547, 47.9055

# Triad

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



45.9913, 45.1547, 52.7461



42.4758, 45.1547, 40.5318



40.4100, 45.1547, 55.0874

# Complementary

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



45.9913, 45.1547, 52.7461



44.8677, 50.4760, 51.0965

# 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.



39.7868, 45.1547, 50.4480



45.9913, 45.1547, 52.7461



40.9590, 45.1547, 42.1960

# Square

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



45.9913, 45.1547, 52.7461



44.1508, 45.1547, 41.0583



39.9851, 45.1547, 45.7513



41.7088, 45.1547, 58.2759



# Rectangle

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



45.9913, 45.1547, 52.7461



45.8477, 45.1547, 44.9526



39.9851, 45.1547, 45.7513



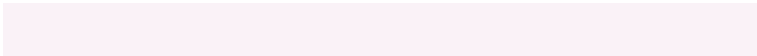
40.1162, 45.1547, 53.6343

# Sweetspot

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



45.9926, 45.1567, 52.7471



88.0705, 90.7738, 100.9862



43.8117, 43.9443, 56.6258



18.7428, 19.2104, 21.4946



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.



45.9926, 45.1567, 52.7471



80.5164, 77.6689, 92.2930



45.0193, 44.7674, 47.6218



10.3347, 10.1825, 11.8533



16.9987, 8.4892, 13.1712



0.7668, 0.3797, 0.7392



# Inverse Universe

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



45.9926, 45.1567, 52.7471



80.5164, 77.6689, 92.2930



45.8723, 50.8779, 56.3867



10.3347, 10.1825, 11.8533



16.9987, 8.4892, 13.1712



0.7668, 0.3797, 0.7392



# Previews

## White Background



This preview shows how the XYZ color 45.9913, 45.1547, 52.7461 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 45.9913, 45.1547, 52.7461 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

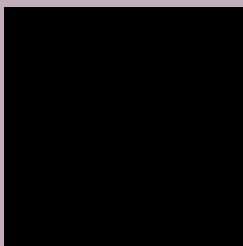
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 45.9913, 45.1547, 52.7461

## Background



This preview shows how black text looks on a background with the XYZ color 45.9913, 45.1547, 52.7461.



This preview shows how white text looks on a background with the XYZ color 45.9913, 45.1547,



# 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

45.9913, 45.1547, 52.7461

### Protanopia

43.9281, 45.2182, 54.5568

### Deuteranopia

45.9913, 45.1547, 52.7461



## Tritanopia

46.0980, 45.1974, 53.3081

# Trichromacy



## Original Color

45.9913, 45.1547, 52.7461

## Protanomaly

44.8068, 45.3894, 53.9764

## Deuteranomaly

45.9913, 45.1547, 52.7461

## Tritanomaly

46.0980, 45.1974, 53.3081

# Monochromacy



## Original Color

45.9913, 45.1547, 52.7461

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

44.4752, 45.5740, 51.2523

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.9913, 45.1547, 52.7461 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, 174, 186)` looks like.

```
.text, #text, p{  
    color:rgb(193, 174, 186)  
}
```

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, 174, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 174, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 45.9913, 45.1547, 52.7461 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, 174, 186) }
```



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

```
.border{ border-color:rgb(193, 174, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 174, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 174, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 174, 186);  
box-shadow:4px 4px 4px 4px rgb(193, 174,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.9913, 45.1547, 52.7461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 174, 186) }
```

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

```
.background{ background-color: rgb(193,  
174, 186) }
```

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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