

Converting Colors

XYZ(47.5887, 51.5909, 45.3110)

Have a look what the booklet for
XYZ(47.5887, 51.5909, 45.3110)
contains.

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Color

**XYZ(47.5912, 51.6779,
45.4967)**

Conversions

Conversions Part 1

Format	Color
Hex	BFC0AA
RGB	191, 192, 170
RGB Percent	75%, 75%, 67%
CMY	0.2510, 0.2470, 0.3333
CMYK	0.01, 0.00, 0.11, 0.25
HSL	63°, 15%, 71%
HSV	63°, 11%, 75%
XYZ	47.5912, 51.6779, 45.4967
YIQ	189.1930, 6.4660, -7.0540

Conversions

Conversions Part 2

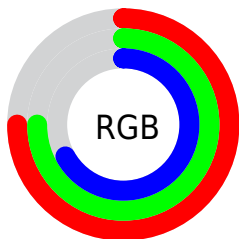
Format	Color
RYB	170, 192, 171
Decimal	12566698
CIELab	77.09, -4.20, 10.97
CIELCh	77, 11.752, 110.951
Yxy	51.6779, 0.3287, 0.3570
Android (android.graphics.Color)	4290756778 (0xFFBFC0AA)
YUV	189.1930, -9.4621, 1.5847
Hunter-Lab	71.8873, -7.6314, 12.7972

Details

The XYZ color **47.5912, 51.6779, 45.4967** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.6857, 41.2145, 55.6827**, and the grayscale version is **48.5313, 51.0587, 55.6029**.

A 20% lighter version of the original color is **85.5158, 92.3452, 84.5514**, and **22.9839, 25.1765, 20.7877** is the 20% darker color. If you saturate the color by 10%, you get **45.6869, 50.8925, 36.6088**, and if you desaturate by 10%, it is **49.7650, 52.5746, 55.7841**.

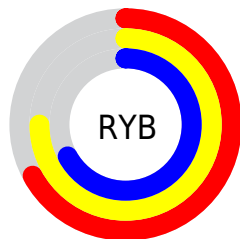
Distribution



Red (75%)

Green (75%)

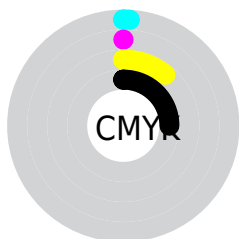
Blue (67%)



Red (67%)

Yellow (75%)

Blue (67%)

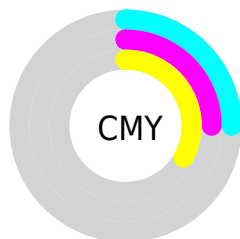


Cyan (1%)

Magenta (0%)

Yellow (11%)

Black (25%)



Cyan (25%)

Magenta (25%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5912, 51.6779, 45.4967 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 47.5912, 51.6779, 45.4967 by changing the saturation by 10% instead.

■ 47.5912, 51.6779,
45.4967

■ 47.5912, 51.6779,
45.4967

367.7791,
393.1919, 385.0001

■ 33.7132, 36.7484,
31.5030

■ 85.8088, 92.6560,
84.7916

■ 22.8352, 25.0127,
20.7205

110.8791,
119.4735, 110.9299

■ 14.5919, 16.0866,
12.7306

140.4109,
151.0223, 141.9535

■ 8.6179, 9.5854,
7.1148

174.7694,
187.6870, 178.2810

■ 4.5479, 5.1250,
3.4545

214.3202,
229.8519, 220.3309

■ 2.0165, 2.3208,
1.3311

259.4285,

■ 0.6432, 0.7847,

277.9014, 268.5216

0.0871

310.4597,
332.2199, 323.2719

■ 0.0000, 0.0000,
0.0000

■ 47.5912, 51.6779,
45.4967

■ 47.5912, 51.6779,
45.4967

■ 45.6869, 50.8925,
36.6088

■ 49.7650, 52.5746,
55.7841

■ 44.0363, 50.2071,
29.0567

■ 52.2148, 53.5802,
67.5244

■ 42.6287, 49.6189,
22.7769

■ 54.9521, 54.7010,
80.7721

■ 41.4507, 49.1228,
17.6993

■ 57.9867, 55.9408,
95.5781

■ 40.4877, 48.7128,
13.7470

■ 59.5048, 56.5742,
102.3914

■ 39.7233, 48.3825,
10.8343

■ 59.7324, 56.6915,
102.4021

■ 39.1391, 48.1243,
8.8631

■ 59.9613, 56.8095,
102.4128

■ 38.7128, 47.9295,
7.7169

■ 60.1916, 56.9282,
102.4236

■ 38.4376, 47.7987,
7.2002

■ 60.4232, 57.0476,
102.4344

Harmonies

Analogous

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



49.8002, 51.6779, 44.9234



47.5912, 51.6779, 45.4967



45.8422, 51.6779, 48.8353

Triad

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



47.5912, 51.6779, 45.4967



46.4492, 51.6779, 66.4237



53.5049, 51.6779, 58.2350

Complementary

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



47.5912, 51.6779, 45.4967



40.6857, 41.2145, 55.6827

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.



52.5468, 51.6779, 64.4200



47.5912, 51.6779, 45.4967



48.4426, 51.6779, 69.3788

Square

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



47.5912, 51.6779, 45.4967



45.1970, 51.6779, 60.8048



50.6777, 51.6779, 68.6189



53.2601, 51.6779, 51.9635

Rectangle

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



47.5912, 51.6779, 45.4967



45.1507, 51.6779, 52.3300



50.6777, 51.6779, 68.6189



53.3118, 51.6779, 60.3998

Sweetspot

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



47.5926, 51.6802, 45.4978



89.5083, 94.9866, 97.9387



43.5081, 43.1352, 44.0637



19.1315, 20.3486, 20.6734



92.9021, 97.7402, 106.4391



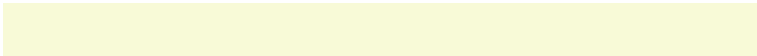
19.4759, 20.4902, 22.3138

Same Dimension

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



47.5926, 51.6802, 45.4978



85.2285, 93.2230, 77.7339



44.9917, 50.3394, 45.3761



10.8666, 11.7342, 10.7541



25.8814, 32.1712, 4.8456



1.1325, 1.3974, 0.2100

Inverse Universe

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



40.6857, 41.2145, 55.6827



69.9880, 70.1297, 100.2079



43.1192, 42.4690, 55.7966



9.5699, 9.7694, 12.6661



6.4939, 2.6082, 33.7178



0.2956, 0.1204, 1.4575

Previews

White Background



This preview shows how the XYZ color 47.5912, 51.6779, 45.4967 looks on a white background.

Color Contrast Check

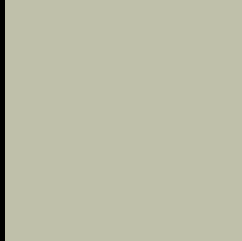
Large Text (above 18pt) WCAG AA × Fail

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 47.5912, 51.6779, 45.4967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

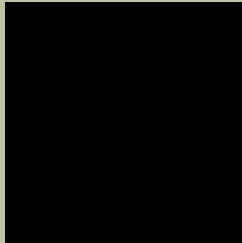
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

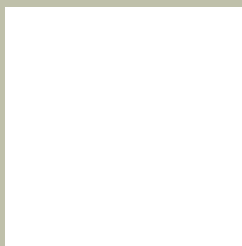
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.5912, 51.6779, 45.4967

Background



This preview shows how black text looks on a background with the XYZ color 47.5912, 51.6779, 45.4967.



This preview shows how white text looks on a background with the XYZ color 47.5912, 51.6779,

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

47.5912, 51.6779, 45.4967

Protanopia

49.1281, 51.8336, 44.9517

Deuteranopia

52.4042, 51.2926, 46.1682



Tritanopia

51.1959, 51.5407, 63.1271

Trichromacy



Original Color

47.5912, 51.6779, 45.4967

Protanomaly

48.5572, 51.8619, 44.9872

Deuteranomaly

50.3632, 51.1799, 45.7524

Tritanomaly

49.7400, 51.5822, 56.0500

Monochromacy



Original Color

47.5912, 51.6779, 45.4967

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.0922, 51.1515, 51.5945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5912, 51.6779, 45.4967 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(191, 192, 170)` looks like.

```
.text, #text, p{  
    color:rgb(191, 192, 170)  
}
```

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(191, 192, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 192, 170) }
```

Border

The CSS property to change the border of an element to XYZ 47.5912, 51.6779, 45.4967 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(191, 192, 170) }
```


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

```
.border{ border-color:rgb(191, 192, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 192, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 192, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 192, 170);  
box-shadow:4px 4px 4px 4px rgb(191, 192,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5912, 51.6779, 45.4967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 192, 170) }
```

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

```
.background{ background-color: rgb(191,  
192, 170) }
```

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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