

Converting Colors

XYZ(47.3452, 49.8368, 45.0038)

Have a look what the booklet for
XYZ(47.3452, 49.8368, 45.0038)
contains.

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Color

**XYZ(47.5317, 50.0450,
45.1847)**

Conversions

Conversions Part 1

Format	Color
Hex	C3BBAA
RGB	195, 187, 170
RGB Percent	76%, 73%, 67%
CMY	0.2353, 0.2666, 0.3333
CMYK	0.00, 0.04, 0.13, 0.24
HSL	41°, 17%, 72%
HSV	41°, 13%, 76%
XYZ	47.5317, 50.0450, 45.1847
YIQ	187.4540, 10.2250, -3.5910

Conversions

Conversions Part 2

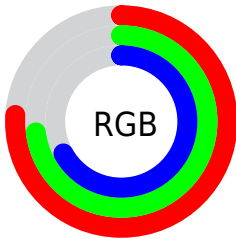
Format	Color
RYB	182, 195, 170
Decimal	12827562
CIELab	76.10, -0.10, 9.61
CIElCh	76, 9.609, 90.574
Yxy	50.0450, 0.3329, 0.3505
Android (android.graphics.Color)	4291017642 (0xFFC3BBAA)
YUV	187.4540, -8.6048, 6.6178
Hunter-Lab	70.7425, -3.8657, 11.6500

Details

The XYZ color **47.5317, 50.0450, 45.1847** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.3482, 44.3262, 57.9541**, and the grayscale version is **47.5347, 50.0102, 54.4611**.

A 20% lighter version of the original color is **85.7861, 90.2329, 84.1294**, and **22.7796, 24.0209, 20.5754** is the 20% darker color. If you saturate the color by 10%, you get **44.5280, 46.7737, 35.7477**, and if you desaturate by 10%, it is **50.8692, 53.5451, 56.0842**.

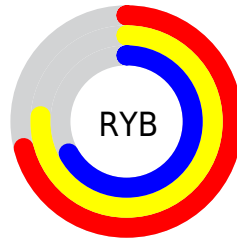
Distribution



Red (76%)

Green (73%)

Blue (67%)



Red (71%)

Yellow (76%)

Blue (67%)

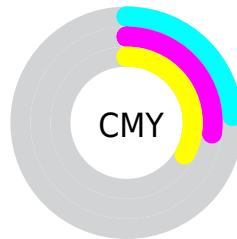


Cyan (0%)

Magenta (4%)

Yellow (13%)

Black (24%)



Cyan (24%)

Magenta (27%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5317, 50.0450, 45.1847 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 47.5317, 50.0450, 45.1847 by changing the saturation by 10% instead.

■ 47.5317, 50.0450,
45.1847

■ 47.5317, 50.0450,
45.1847

367.5464,
386.8419, 383.7030

■ 33.6659, 35.4492,
31.2589

■ 85.7207, 90.2415,
84.3189

■ 22.7987, 24.0091,
20.5360

110.7745,
116.6110, 110.3644

■ 14.5648, 15.3403,
12.5973

140.2885,
147.6739, 141.2869

■ 8.5989, 9.0586,
7.0244

174.6278,
183.8144, 177.5049

■ 4.5355, 4.7794,
3.3987

214.1579,
225.4171, 219.4370

■ 2.0093, 2.1184,
1.3016

259.2442,

■ 0.6392, 0.6750,

272.8663, 267.5016

0.0631

310.2519,
326.5465, 322.1175

■ 0.0000, 0.0000,
0.0000

■ 47.5317, 50.0450,
45.1847

■ 47.5317, 50.0450,
45.1847

■ 44.5280, 46.7737,
35.7477

■ 50.8692, 53.5451,
56.0842

■ 41.8415, 43.7184,
27.7064

■ 54.5485, 57.2734,
68.5025

■ 39.4597, 40.8747,
20.9939

■ 58.5823, 61.2376,
82.4969

■ 37.3679, 38.2354,
15.5362

■ 62.9813, 65.4433,
98.1208

■ 35.5501, 35.7929,
11.2520

■ 65.6767, 69.0638,
104.4769

■ 33.9883, 33.5388,
8.0505

■ 67.3266, 72.3636,
105.0268

■ 32.6618, 31.4634,
5.8275

■ 69.0380, 75.7865,
105.5973

■ 31.5461, 29.5559,
4.4577

■ 70.8117, 79.3338,
106.1885

■ 30.8428, 28.2760,
3.8322

■ 72.6481, 83.0066,
106.8007

Harmonies

Analogous

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



49.2836, 50.0450, 46.3202



47.5317, 50.0450, 45.1847



45.8308, 50.0450, 46.4091

Triad

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



47.5317, 50.0450, 45.1847



44.6538, 50.0450, 59.6789



50.6388, 50.0450, 59.4969

Complementary

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



47.5317, 50.0450, 45.1847



42.3482, 44.3262, 57.9541

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.



49.3450, 50.0450, 63.4595



47.5317, 50.0450, 45.1847



45.8893, 50.0450, 63.5692

Square

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



47.5317, 50.0450, 45.1847



44.1951, 50.0450, 54.5896



47.6009, 50.0450, 64.9936



51.1047, 50.0450, 54.3915

Rectangle

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



47.5317, 50.0450, 45.1847



44.9476, 50.0450, 48.4461



47.6009, 50.0450, 64.9936



50.2847, 50.0450, 61.0179

Sweetspot

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



47.5331, 50.0472, 45.1858



90.3318, 95.0991, 97.8768



44.9504, 43.5800, 48.3385



19.6780, 20.7183, 21.0913



0.0000, 0.0000, 0.0000



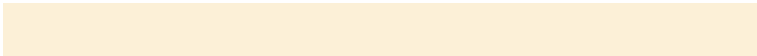
20.3446, 21.4041, 23.3091

Same Dimension

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



47.5331, 50.0472, 45.1858



83.7799, 88.1838, 76.6146



48.2153, 52.9878, 45.7174



10.6330, 11.1974, 10.6628



20.1245, 18.5348, 2.5169



0.9295, 0.9208, 0.1287

Inverse Universe

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



42.3482, 44.3262, 57.9541



72.9296, 76.2120, 103.3364



41.7185, 41.7082, 57.4819



9.7854, 10.2622, 12.7499



7.6029, 4.9622, 34.1137



0.3918, 0.3410, 1.4950

Previews

White Background



This preview shows how the XYZ color 47.5317, 50.0450, 45.1847 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 47.5317, 50.0450, 45.1847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

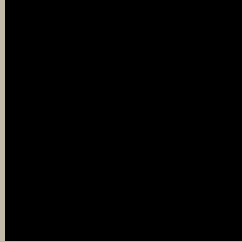
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

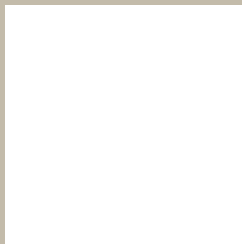
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.5317, 50.0450, 45.1847

Background



This preview shows how black text looks on a background with the XYZ color 47.5317, 50.0450, 45.1847.



This preview shows how white text looks on a background with the XYZ color 47.5317, 50.0450,

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

47.5317, 50.0450, 45.1847

Protanopia

47.5317, 50.0450, 45.1847

Deuteranopia

51.0259, 49.9851, 45.4868



Tritanopia

50.5647, 50.0403, 59.8170

Trichromacy



Original Color

47.5317, 50.0450, 45.1847

Protanomaly

47.5317, 50.0450, 45.1847

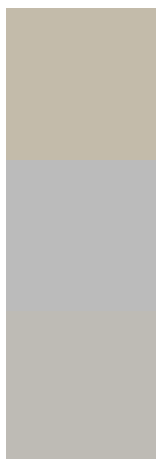
Deuteranomaly

49.7378, 49.9291, 45.5439

Tritanomaly

49.3988, 49.8746, 54.0369

Monochromacy



Original Color

47.5317, 50.0450, 45.1847

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.3460, 49.8240, 50.8377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5317, 50.0450, 45.1847 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(195, 187, 170) looks like.

```
.text, #text, p{  
    color:rgb(195, 187, 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(195, 187, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 187, 170) }
```

Border

The CSS property to change the border of an element to XYZ 47.5317, 50.0450, 45.1847 is called "border". The border property can be set on classes, ids or directly on the HTML element.

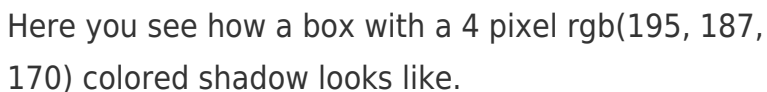
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 187, 170) }
```


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

```
.border{ border-color:rgb(195, 187, 170) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 187, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 187, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 187, 170);  
box-shadow:4px 4px 4px 4px rgb(195, 187,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5317, 50.0450, 45.1847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 187, 170) }
```

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

```
.background{ background-color: rgb(195,  
187, 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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