

Converting Colors

XYZ(47.6046, 49.8005, 38.4713)

Have a look what the booklet for
XYZ(47.6046, 49.8005, 38.4713)
contains.

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Color

**XYZ(47.6470, 49.9356,
38.5798)**

Conversions

Conversions Part 1

Format	Color
Hex	C9BA9C
RGB	201, 186, 156
RGB Percent	79%, 73%, 61%
CMY	0.2118, 0.2706, 0.3882
CMYK	0.00, 0.07, 0.22, 0.21
HSL	40°, 29%, 70%
HSV	40°, 22%, 79%
XYZ	47.6470, 49.9356, 38.5798
YIQ	187.0650, 18.5700, -6.1500

Conversions

Conversions Part 2

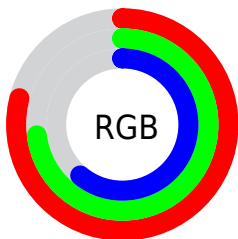
Format	Color
R_{YB}	179, 201, 156
Decimal	13220508
CIE _{Lab}	76.03, 0.51, 17.15
CIE _{LCh}	76, 17.156, 88.283
Yxy	49.9356, 0.3499, 0.3667
Android (android.graphics.Color)	4291410588 (0xFFC9BA9C)
YUV	187.0650, -15.3150, 12.2210
Hunter-Lab	70.6651, -3.3077, 17.0961

Details

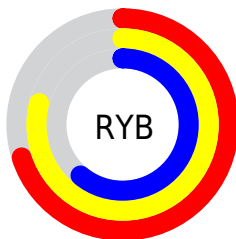
The XYZ color **47.6470, 49.9356, 38.5798** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.8156, 40.4097, 61.0125**, and the grayscale version is **47.3482, 49.8140, 54.2474**.

A 20% lighter version of the original color is **84.7500, 89.4674, 74.4301**, and **22.9700, 23.9980, 16.7860** is the 20% darker color. If you saturate the color by 10%, you get **44.7061, 46.5557, 29.8858**, and if you desaturate by 10%, it is **50.9384, 53.5649, 48.7814**.

Distribution



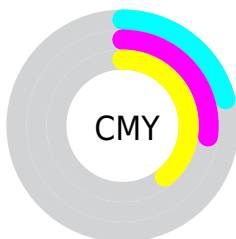
- Red (79%)
- Green (73%)
- Blue (61%)



- Red (70%)
- Yellow (79%)
- Blue (61%)



- Cyan (0%)
- Magenta (7%)
- Yellow (22%)
- Black (21%)





- Cyan (21%)
- Magenta (27%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6470, 49.9356, 38.5798 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 47.6470, 49.9356, 38.5798 by changing the saturation by 10% instead.


 47.6470, 49.9356,
38.5798


 47.6470, 49.9356,
38.5798


367.9971,
386.4140, 355.4731

 33.7575, 35.3622,
26.1277

 85.8915, 90.0795,
74.2092

 22.8694, 23.9420,
16.6926


 110.9772,
116.4187, 98.2236

 14.6173, 15.2906,
9.8559


140.5256,
147.4488, 126.9291

 8.6358, 9.0236,
5.1992

174.9022,
183.5539, 160.7443

 4.5596, 4.7566,
2.3038

214.4723,
225.1187, 200.0878

 2.0233, 2.1052,
0.7334

259.6013,

 0.6470, 0.6675,

272.5273, 245.3781

0.0000

310.6544,
326.1643, 297.0337

■ 0.0000, 0.0000,
0.0000

■ 47.6470, 49.9356,
38.5798

■ 47.6470, 49.9356,
38.5798

■ 44.7061, 46.5557,
29.8858

■ 50.9384, 53.5649,
48.7814

■ 42.0970, 43.4113,
22.6230

■ 54.5901, 57.4440,
60.5556

■ 39.8051, 40.4967,
16.7131

■ 58.6164, 61.5814,
73.9674

■ 37.8129, 37.8034,
12.0689

■ 63.0295, 65.9836,
89.0773

■ 36.1011, 35.3222,
8.5929

■ 67.5984, 70.5594,
104.6643

■ 34.6475, 33.0426,
6.1733

■ 69.3864, 74.1355,
105.2603

■ 33.4257, 30.9526,
4.6760

■ 71.2456, 77.8539,
105.8800

■ 32.6153, 29.4732,
3.9699

■ 73.1768, 81.7162,
106.5237

■ 75.1807, 85.7241,
107.1917

Harmonies

Analogous

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



50.7738, 49.9356, 40.7067



47.6470, 49.9356, 38.5798



44.6038, 49.9356, 40.2727

Triad

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



47.6470, 49.9356, 38.5798



42.2434, 49.9356, 63.1633



52.8957, 49.9356, 64.1799

Complementary

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



47.6470, 49.9356, 38.5798



38.8156, 40.4097, 61.0125

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.



50.4403, 49.9356, 71.4275



47.6470, 49.9356, 38.5798



44.2980, 49.9356, 70.7957

Square

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



47.6470, 49.9356, 38.5798



41.5693, 49.9356, 53.8448



47.2781, 49.9356, 73.9731



53.8874, 49.9356, 54.9014

Rectangle

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



47.6470, 49.9356, 38.5798



43.0125, 49.9356, 43.4597



47.2781, 49.9356, 73.9731



52.2089, 49.9356, 66.9718

Sweetspot

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



47.6483, 49.9378, 38.5809



90.4397, 95.1666, 93.8380



43.3270, 39.1353, 43.7990



19.2759, 20.2826, 19.8212



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.



47.6483, 49.9378, 38.5809



78.9915, 82.5567, 58.3098



49.0077, 55.5771, 39.5977



11.2146, 11.7984, 11.2490



20.5943, 18.7057, 2.5251



1.0397, 1.0149, 0.1411

Inverse Universe

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



38.8156, 40.4097, 61.0125



61.1595, 63.3246, 103.6072



37.6385, 35.8341, 60.1914



10.3407, 10.8554, 13.4678



7.9659, 5.3257, 35.3525



0.4441, 0.3860, 1.6962

Previews

White Background



This preview shows how the XYZ color 47.6470, 49.9356, 38.5798 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 47.6470, 49.9356, 38.5798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

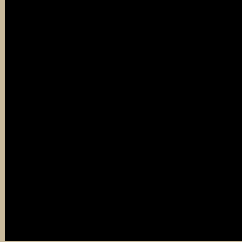
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6470, 49.9356, 38.5798

Background



This preview shows how black text looks on a background with the XYZ color 47.6470, 49.9356, 38.5798.



This preview shows how white text looks on a background with the XYZ color 47.6470, 49.9356,

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

47.6470, 49.9356, 38.5798

Protanopia

47.1448, 49.9807, 39.0607

Deuteranopia

50.7260, 49.6758, 38.8131



Tritanopia

51.8278, 50.1097, 58.5703

Trichromacy



Original Color

47.6470, 49.9356, 38.5798

Protanomaly

47.4093, 50.1171, 39.0731

Deuteranomaly

49.6777, 49.7391, 38.8806

Tritanomaly

50.1758, 50.0405, 50.7303

Monochromacy



Original Color

47.6470, 49.9356, 38.5798

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.3450, 49.8817, 48.2071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6470, 49.9356, 38.5798 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(201, 186, 156)` looks like.

```
.text, #text, p{  
    color:rgb(201, 186, 156)  
}
```

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(201, 186, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 186, 156) }
```

Border

The CSS property to change the border of an element to XYZ 47.6470, 49.9356, 38.5798 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(201, 186, 156) }
```


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

```
.border{ border-color:rgb(201, 186, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 186, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 186, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 186, 156);  
box-shadow:4px 4px 4px 4px rgb(201, 186,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6470, 49.9356, 38.5798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 186, 156) }
```

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

```
.background{ background-color: rgb(201,  
186, 156) }
```

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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