

# Converting Colors

XYZ(46.6673, 48.0098, 38.3162)

Have a look what the booklet for  
XYZ(46.6673, 48.0098, 38.3162)  
contains.

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# Color

**XYZ(46.6120, 47.8656,  
38.2347)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C9B59C
RGB	201, 181, 156
RGB Percent	79%, 71%, 61%
CMY	0.2118, 0.2902, 0.3882
CMYK	0.00, 0.10, 0.22, 0.21
HSL	33°, 29%, 70%
HSV	33°, 22%, 79%
XYZ	46.6120, 47.8656, 38.2347
YIQ	184.1300, 19.9450, -3.5350

# Conversions

## Conversions Part 2

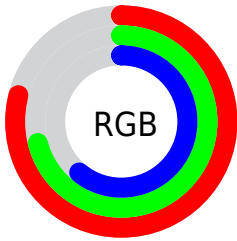
Format	Color
<a href="#">RYB</a>	<a href="#">192, 201, 156</a>
Decimal	<a href="#">13219228</a>
CIELab	<a href="#">74.74, 3.18, 15.35</a>
CIELCh	<a href="#">75, 15.673, 78.310</a>
Yxy	<a href="#">47.8656, 0.3512, 0.3607</a>
Android (android.graphics.Color)	<a href="#">4291409308 (0xFFC9B59C)</a>
YUV	<a href="#">184.1300, -13.8681, 14.7950</a>
Hunter-Lab	<a href="#">69.1850, -0.8129, 15.6632</a>

# Details

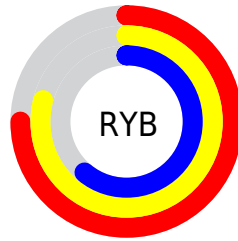
The XYZ color **46.6120, 47.8656, 38.2347** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.7778, 42.3344, 61.3333**, and the grayscale version is **45.6994, 48.0793, 52.3584**.

A 20% lighter version of the original color is **83.2821, 86.5315, 73.9408**, and **22.3016, 22.6613, 16.5633** is the 20% darker color. If you saturate the color by 10%, you get **43.2910, 43.7255, 29.4140**, and if you desaturate by 10%, it is **50.3337, 52.3556, 48.5797**.

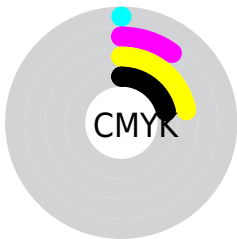
# Distribution



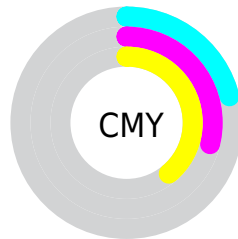
- Red (79%)
- Green (71%)
- Blue (61%)



- Red (75%)
- Yellow (79%)
- Blue (61%)



- Cyan (0%)
- Magenta (10%)
- Yellow (22%)
- Black (21%)




- Cyan (21%)
- Magenta (29%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6120, 47.8656, 38.2347 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 46.6120, 47.8656, 38.2347 by changing the saturation by 10% instead.





 46.6120, 47.8656,  
38.2347

 46.6120, 47.8656,  
38.2347


363.9385,  
378.2592, 353.9540

 32.9357, 33.7205,  
25.8617


 84.3564, 87.0043,  
73.6751

 22.2362, 22.6789,  
16.4953


 109.1553,  
112.7666, 97.5796

 14.1481, 14.3566,  
9.7172


138.3924,  
143.1701, 126.1650

 8.3062, 8.3691,  
5.1087

172.4330,  
178.5992, 159.8498

 4.3449, 4.3320,  
2.2513

211.6426,  
219.4382, 199.0525

 1.8991, 1.8610,  
0.7038

256.3865,

 0.5763, 0.5248,

266.0716, 244.1918

0.0000

307.0300,  
318.8838, 295.6861

■ 0.0000, 0.0000,  
0.0000

■ 46.6120, 47.8656,  
38.2347

■ 46.6120, 47.8656,  
38.2347

■ 43.2910, 43.7255,  
29.4140

■ 50.3337, 52.3556,  
48.5797

■ 40.3508, 39.9189,  
22.0409

■ 54.4673, 57.1983,  
60.5145

■ 37.7755, 36.4376,  
16.0365

■ 59.0281, 62.4050,  
74.1045

■ 35.5464, 33.2702,  
11.3133

■ 64.0297, 67.9840,  
89.4105

■ 33.6425, 30.4048,  
7.7733

■ 69.2420, 73.8466,  
105.2121

■ 32.0402, 27.8280,  
5.3042

■ 71.7295, 78.8216,  
106.0413

■ 30.7116, 25.5245,  
3.7713

■ 74.3453, 84.0532,  
106.9132

■ 29.8471, 23.9369,  
3.0472

■ 77.0913, 89.5451,  
107.8285

■ 77.8975, 91.1575,  
108.0973

# Harmonies

## Analogous

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



49.2302, 47.8656, 41.2742



46.6120, 47.8656, 38.2347



43.7982, 47.8656, 38.6167

# Triad

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



46.6120, 47.8656, 38.2347



40.4976, 47.8656, 57.1946



49.7023, 47.8656, 63.2447

# Complementary

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



46.6120, 47.8656, 38.2347



39.7778, 42.3344, 61.3333

# 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.



47.2347, 47.8656, 68.4468



46.6120, 47.8656, 38.2347



41.9534, 47.8656, 64.7108

# Square

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



46.6120, 47.8656, 38.2347



40.3465, 47.8656, 49.0078



44.3956, 47.8656, 69.0097



51.0634, 47.8656, 55.3560



# Rectangle

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



46.6120, 47.8656, 38.2347



42.1880, 47.8656, 40.7679



44.3956, 47.8656, 69.0097



48.9701, 47.8656, 65.3994

# Sweetspot

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



46.6133, 47.8678, 38.2357



89.8297, 93.9466, 93.6347



43.8375, 39.3395, 46.4873



19.1346, 19.9998, 19.7741



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.



46.6133, 47.8678, 38.2357



76.8840, 78.3418, 57.6073



50.3746, 56.2818, 39.6615



11.1144, 11.5979, 11.2156



18.8593, 15.2357, 1.9468



0.9644, 0.8643, 0.1160



# Inverse Universe

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



39.7778, 42.3344, 61.3333



63.0829, 67.1713, 104.2483



36.5814, 35.2891, 60.1419



10.4381, 11.0503, 13.5003



8.9797, 7.3534, 35.6904

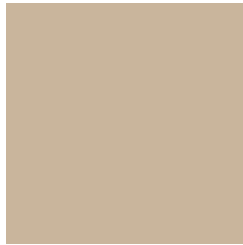


0.4971, 0.4921, 1.7139



# Previews

## White Background



This preview shows how the XYZ color 46.6120, 47.8656, 38.2347 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 46.6120, 47.8656, 38.2347 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

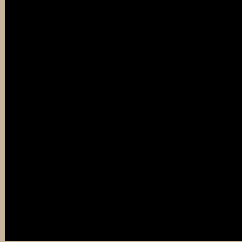
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.6120, 47.8656, 38.2347**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.6120, 47.8656, 38.2347.



This preview shows how white text looks on a background with the XYZ color 46.6120, 47.8656,



# 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

46.6120, 47.8656, 38.2347

### Protanopia

45.2186, 48.0528, 38.7901

### Deuteranopia

48.6719, 47.7275, 38.5453



## Tritanopia

49.9964, 47.7475, 55.2963

# Trichromacy



## Original Color

46.6120, 47.8656, 38.2347

## Protanomaly

45.7842, 48.0371, 38.7573

## Deuteranomaly

47.7383, 47.5405, 38.5584

## Tritanomaly

48.8581, 47.8925, 48.7886

# Monochromacy



## Original Color

46.6120, 47.8656, 38.2347

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

45.8087, 47.8701, 46.8699

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.6120, 47.8656, 38.2347 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, 181, 156)` looks like.

```
.text, #text, p{  
    color:rgb(201, 181, 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, 181, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 181, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 46.6120, 47.8656, 38.2347 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, 181, 156) }
```



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

```
.border{ border-color:rgb(201, 181, 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, 181, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 181, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 181, 156);  
box-shadow:4px 4px 4px 4px rgb(201, 181,  
156) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.6120, 47.8656, 38.2347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 181, 156) }
```

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

```
.background{ background-color: rgb(201,  
181, 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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