

# Converting Colors

XYZ(46.1078, 47.5670, 40.5885)

Have a look what the booklet for  
XYZ(46.1078, 47.5670, 40.5885)  
contains.

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# Color

**XYZ(45.9829, 47.4913,  
40.4614)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5B5A1
RGB	197, 181, 161
RGB Percent	77%, 71%, 63%
CMY	0.2274, 0.2902, 0.3686
CMYK	0.00, 0.08, 0.18, 0.23
HSL	33°, 24%, 70%
HSV	33°, 18%, 77%
XYZ	45.9829, 47.4913, 40.4614
YIQ	183.5040, 15.9560, -2.8280

# Conversions

## Conversions Part 2

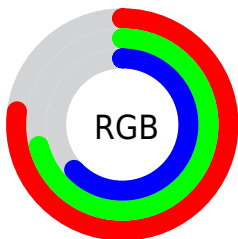
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 197, 161
Decimal	12957089
CIE <sub>Lab</sub>	74.50, 2.42, 12.25
CIE <sub>LCh</sub>	75, 12.487, 78.845
Yxy	47.4913, 0.3433, 0.3546
Android (android.graphics.Color)	4291147169 (0xFFC5B5A1)
YUV	183.5040, -11.0945, 11.8360
Hunter-Lab	68.9139, -1.4951, 13.4288

# Details

The XYZ color **45.9829, 47.4913, 40.4614** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.4980, 43.0517, 58.9991**, and the grayscale version is **45.3406, 47.7019, 51.9473**.

A 20% lighter version of the original color is **83.5519, 86.5971, 77.2770**, and **21.8072, 22.3821, 17.6388** is the 20% darker color. If you saturate the color by 10%, you get **42.6568, 43.4033, 31.4465**, and if you desaturate by 10%, it is **49.6972, 51.9167, 50.9573**.

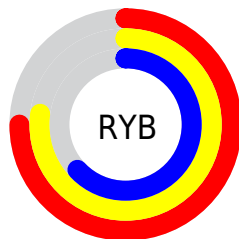
# Distribution



Red (77%)

Green (71%)

Blue (63%)



Red (75%)

Yellow (77%)

Blue (63%)

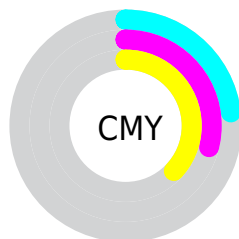


Cyan (0%)

Magenta (8%)

Yellow (18%)

Black (23%)



Cyan (23%)

Magenta (29%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9829, 47.4913, 40.4614 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 45.9829, 47.4913, 40.4614 by changing the saturation by 10% instead.




 45.9829, 47.4913,  
40.4614

 45.9829, 47.4913,  
40.4614


361.4570,  
376.7722, 363.6742

 32.4369, 33.4242,  
27.5820


 83.4214, 86.4465,  
77.1104

 21.8526, 22.4516,  
17.7745


 108.0447,  
112.1034, 101.7170

 13.8646, 14.1891,  
10.6204


137.0910,  
142.3924, 131.0697

 8.1076, 8.2523,  
5.7013

170.9258,  
177.6979, 165.5871

 4.2163, 4.2568,  
2.5985

209.9145,  
218.4042, 205.6877

 1.8252, 1.8182,  
0.8917

254.4223,

 0.5328, 0.4985,

264.8957, 251.7901

0.0000

304.8147,  
317.5570, 304.3127

■ 0.0000, 0.0000,  
0.0000

■ 45.9829, 47.4913,  
40.4614

■ 45.9829, 47.4913,  
40.4614

■ 42.6568, 43.4033,  
31.4465

■ 49.6972, 51.9167,  
50.9573

■ 39.7001, 39.6373,  
23.8414

■ 53.8098, 56.6819,  
62.9946

■ 37.0984, 36.1855,  
17.5739

■ 58.3351, 61.7974,  
76.6343

■ 34.8343, 33.0377,  
12.5638

■ 63.2856, 67.2713,  
91.9329

■ 32.8889, 30.1827,  
8.7223

■ 67.9398, 72.8178,  
105.0822

■ 31.2410, 27.6083,  
5.9488

■ 70.3641, 77.6664,  
105.8903

■ 29.8659, 25.3009,  
4.1254

■ 72.9115, 82.7610,  
106.7394

■ 28.7267, 23.2418,  
3.0697

■ 75.5835, 88.1052,  
107.6301

■ 28.5446, 22.9074,  
2.9171

■ 76.8362, 90.6104,  
108.0476

# Harmonies

## Analogous

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



48.0523, 47.4913, 42.9147



45.9829, 47.4913, 40.4614



43.7533, 47.4913, 40.8284

# Triad

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



45.9829, 47.4913, 40.4614



41.1597, 47.4913, 55.8244



48.4821, 47.4913, 60.3177

# Complementary

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



45.9829, 47.4913, 40.4614



40.4980, 43.0517, 58.9991

# 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.



46.5537, 47.4913, 64.3712



45.9829, 47.4913, 40.4614



42.3460, 47.4913, 61.6316

# Square

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



45.9829, 47.4913, 40.4614



41.0184, 47.4913, 49.3451



44.3056, 47.4913, 64.8711



49.5269, 47.4913, 54.1491



# Rectangle

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



45.9829, 47.4913, 40.4614



42.4745, 47.4913, 42.6312



44.3056, 47.4913, 64.8711



47.9128, 47.4913, 61.9940

# Sweetspot

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



45.9842, 47.4934, 40.4624



91.2838, 95.6443, 97.8514



43.7272, 40.5430, 47.2211



19.4284, 20.3435, 20.6243



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.



45.9842, 47.4934, 40.4624



79.8542, 82.0130, 65.5933



48.9572, 54.1350, 41.5877



11.1144, 11.5979, 11.2156



18.8594, 15.2359, 1.9468



0.9644, 0.8643, 0.1160

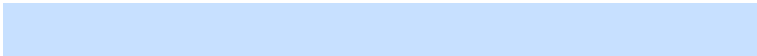


# Inverse Universe

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



40.4980, 43.0517, 58.9991



68.1859, 72.5670, 105.0208



37.8869, 37.2871, 58.0240



10.4381, 11.0503, 13.5003



8.9797, 7.3532, 35.6904

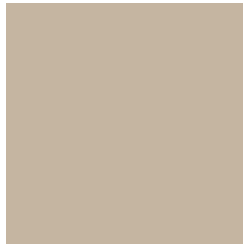


0.4971, 0.4921, 1.7139



# Previews

## White Background



This preview shows how the XYZ color 45.9829, 47.4913, 40.4614 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 45.9829, 47.4913, 40.4614 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

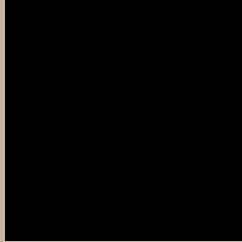
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

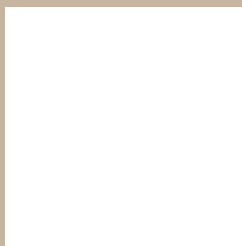
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 45.9829, 47.4913, 40.4614**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.9829, 47.4913, 40.4614.



This preview shows how white text looks on a background with the XYZ color 45.9829, 47.4913,

40.4614.

# 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

45.9829, 47.4913, 40.4614

### Protanopia

45.1933, 47.6821, 41.0040

### Deuteranopia

48.5382, 47.6082, 40.8135



## Tritanopia

49.2135, 47.6234, 55.8886

# Trichromacy



## Original Color

45.9829, 47.4913, 40.4614

## Protanomaly

45.4977, 47.5339, 40.9594

## Deuteranomaly

47.6188, 47.4286, 40.8273

## Tritanomaly

47.9780, 47.4154, 49.8034

# Monochromacy



## Original Color

45.9829, 47.4913, 40.4614

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

45.7562, 47.8204, 47.8929

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.9829, 47.4913, 40.4614 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(197, 181, 161)` looks like.

```
.text, #text, p{  
    color:rgb(197, 181, 161)  
}
```

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(197, 181, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 181, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 45.9829, 47.4913, 40.4614 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(197, 181, 161) }
```



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

```
.border{ border-color:rgb(197, 181, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 181, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 181, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 181, 161);  
box-shadow:4px 4px 4px 4px rgb(197, 181,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.9829, 47.4913, 40.4614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 181, 161) }
```

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

```
.background{ background-color: rgb(197,  
181, 161) }
```

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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