

Converting Colors

XYZ(47.8732, 52.7281, 31.6995)

Have a look what the booklet for
XYZ(47.8732, 52.7281, 31.6995)
contains.

XYZ(47.9666, 52.8361, 31.7150)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.9666, 52.8361,
31.7150)**

Conversions

Conversions Part 1

Format	Color
Hex	C9C28A
RGB	201, 194, 138
RGB Percent	79%, 76%, 54%
CMY	0.2118, 0.2392, 0.4588
CMYK	0.00, 0.03, 0.31, 0.21
HSL	53°, 37%, 66%
HSV	53°, 31%, 79%
XYZ	47.9666, 52.8361, 31.7150
YIQ	189.7090, 22.1480, -15.9320

Conversions

Conversions Part 2

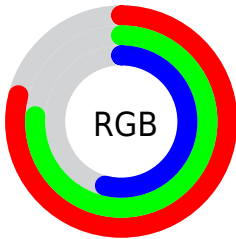
Format	Color
R_{YB}	146, 201, 138
Decimal	13222538
CIE _{Lab}	77.78, -6.14, 29.11
CIE _{LCh}	78, 29.750, 101.903
Yxy	52.8361, 0.3620, 0.3987
Android (android.graphics.Color)	4291412618 (0xFFC9C28A)
YUV	189.7090, -25.4925, 9.9022
Hunter-Lab	72.6884, -9.4139, 25.0128

Details

The XYZ color **47.9666, 52.8361, 31.7150** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.1490, 29.8702, 59.3821**, and the grayscale version is **48.9103, 51.4575, 56.0372**.

A 20% lighter version of the original color is **84.9400, 93.4370, 63.4275**, and **23.0992, 25.8489, 12.7887** is the 20% darker color. If you saturate the color by 10%, you get **46.1515, 51.3231, 24.5829**, and if you desaturate by 10%, it is **50.0611, 54.4765, 40.2702**.

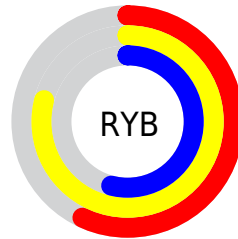
Distribution



Red (79%)

Green (76%)

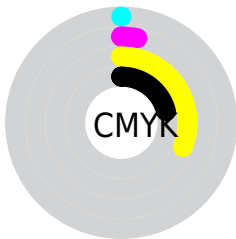
Blue (54%)



Red (57%)

Yellow (79%)

Blue (54%)

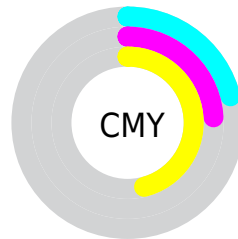


Cyan (0%)

Magenta (3%)

Yellow (31%)

Black (21%)



Cyan (21%)

Magenta (24%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9666, 52.8361, 31.7150 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 47.9666, 52.8361, 31.7150 by changing the saturation by 10% instead.

■ 47.9666, 52.8361,
31.7150

■ 47.9666, 52.8361,
31.7150

369.2445,
397.6560, 324.2716

■ 34.0116, 37.6719,
20.8809

■ 86.3647, 94.3631,
63.4567

■ 23.0654, 25.7282,
12.8466

■ 111.5384,
121.4948, 85.2015

■ 14.7628, 16.6204,
7.1935

■ 141.1825,
153.3845, 111.4201

■ 8.7383, 9.9642,
3.5031

175.6622,
190.4165, 142.5313

■ 4.6266, 5.3752,
1.3569

215.3429,
232.9752, 178.9534

■ 2.0624, 2.4691,
0.1078

260.5899,

■ 0.6686, 0.8611,

281.4451, 221.1052

0.0000

311.7687,
336.2106, 269.4050

■ 0.0000, 0.0000,
0.0000

■ 47.9666, 52.8361,
31.7150

■ 47.9666, 52.8361,
31.7150

■ 46.1515, 51.3231,
24.5829

■ 50.0611, 54.4765,
40.2702

■ 44.5971, 49.9244,
18.7921

■ 52.4449, 56.2427,
50.3176

■ 43.2881, 48.6358,
14.2579


■ 55.1321, 58.1424,
61.9256


■ 42.2064, 47.4498,
10.8843


■ 58.1348, 60.1803,
75.1576


■ 41.3312, 46.3581,
8.5615


■ 61.4644, 62.3611,
90.0733


 40.6375, 45.3508,
7.1587

 64.5461, 64.4550,
103.6469

 40.1441, 44.5309,
6.4795

 65.0920, 65.5467,
103.8288

 65.6456, 66.6539,
104.0133

 66.2068, 67.7764,
104.2004

Harmonies

Analogous

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



53.7428, 52.8361, 32.3158



47.9666, 52.8361, 31.7150



43.1716, 52.8361, 36.9833

Triad

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



47.9666, 52.8361, 31.7150



42.4102, 52.8361, 81.4518



61.5135, 52.8361, 67.9682

Complementary

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



47.9666, 52.8361, 31.7150



31.1490, 29.8702, 59.3821

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.



57.9947, 52.8361, 84.5493



47.9666, 52.8361, 31.7150



46.8530, 52.8361, 93.3019

Square

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



47.9666, 52.8361, 31.7150



40.1318, 52.8361, 64.3313



52.5411, 52.8361, 94.5331



61.8692, 52.8361, 51.2250

Rectangle

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



47.9666, 52.8361, 31.7150



41.0589, 52.8361, 43.8322



52.5411, 52.8361, 94.5331



60.6496, 52.8361, 73.8189

Sweetspot

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



47.9679, 52.8385, 31.7161



90.7651, 96.9940, 90.3191



38.3141, 32.6502, 31.2132



19.2881, 20.6606, 18.7347



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.



47.9679, 52.8385, 31.7161



79.8435, 88.5788, 45.2821



43.5717, 52.9379, 31.9670



11.4195, 12.2081, 11.3173



25.2829, 28.0830, 4.0880



1.2266, 1.3886, 0.2034

Inverse Universe

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



31.1490, 29.8702, 59.3821



46.3319, 42.8226, 100.4314



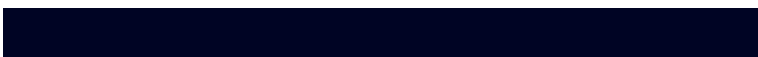
34.5624, 30.0917, 59.2450



10.1499, 10.4739, 13.4042



6.8471, 3.0880, 34.9795



0.3569, 0.2116, 1.6672

Previews

White Background



This preview shows how the XYZ color 47.9666, 52.8361, 31.7150 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 47.9666, 52.8361, 31.7150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

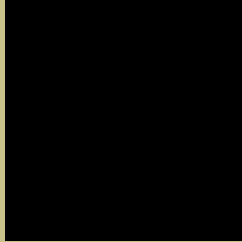
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9666, 52.8361, 31.7150

Background



This preview shows how black text looks on a background with the XYZ color 47.9666, 52.8361, 31.7150.



This preview shows how white text looks on a background with the XYZ color 47.9666, 52.8361,

31.7150.

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

47.9666, 52.8361, 31.7150

Protanopia

49.0971, 52.7708, 31.2650

Deuteranopia

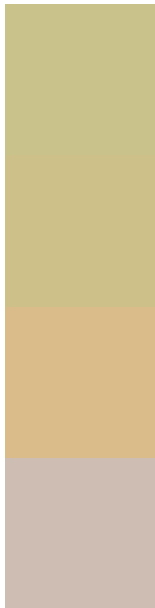
53.8690, 52.6684, 32.1378



Tritanopia

54.1139, 52.7448, 62.5870

Trichromacy



Original Color

47.9666, 52.8361, 31.7150

Protanomaly

48.7622, 52.9252, 31.3125

Deuteranomaly

51.5569, 52.7359, 31.8878

Tritanomaly

51.4103, 52.5887, 49.5605

Monochromacy



Original Color

47.9666, 52.8361, 31.7150

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.2296, 51.6712, 45.9596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9666, 52.8361, 31.7150 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, 194, 138)` looks like.

```
.text, #text, p{  
    color:rgb(201, 194, 138)  
}
```

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, 194, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 194, 138) }
```

Border

The CSS property to change the border of an element to XYZ 47.9666, 52.8361, 31.7150 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, 194, 138) }
```


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

```
.border{ border-color:rgb(201, 194, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 194, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 194, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 194, 138);  
box-shadow:4px 4px 4px 4px rgb(201, 194,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9666, 52.8361, 31.7150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 194, 138) }
```

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

```
.background{ background-color: rgb(201,  
194, 138) }
```

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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