

Converting Colors

XYZ(47.5582, 51.8105, 33.7811)

Have a look what the booklet for
XYZ(47.5582, 51.8105, 33.7811)
contains.

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Color

**XYZ(47.7031, 51.9923,
33.9068)**

Conversions

Conversions Part 1

Format	Color
Hex	C8C090
RGB	200, 192, 144
RGB Percent	78%, 75%, 56%
CMY	0.2157, 0.2470, 0.4353
CMYK	0.00, 0.04, 0.28, 0.22
HSL	51°, 34%, 67%
HSV	51°, 28%, 78%
XYZ	47.7031, 51.9923, 33.9068
YIQ	188.9200, 20.1760, -13.2320

Conversions

Conversions Part 2

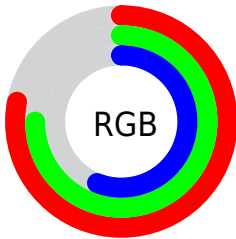
Format	Color
R_{YB}	153, 200, 144
Decimal	13156496
CIE _{Lab}	77.28, -4.70, 25.26
CIE _{LCh}	77, 25.693, 100.548
Yxy	51.9923, 0.3571, 0.3892
Android (android.graphics.Color)	4291346576 (0xFFC8C090)
YUV	188.9200, -22.1456, 9.7172
Hunter-Lab	72.1057, -8.0944, 22.5936

Details

The XYZ color **47.7031, 51.9923, 33.9068** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.1549, 32.5549, 59.1800**, and the grayscale version is **48.4397, 50.9624, 55.4980**.

A 20% lighter version of the original color is **85.0004, 92.4720, 66.7950**, and **22.8855, 25.2753, 14.0284** is the 20% darker color. If you saturate the color by 10%, you get **45.6875, 50.1944, 26.3498**, and if you desaturate by 10%, it is **50.0044, 53.9276, 42.8963**.

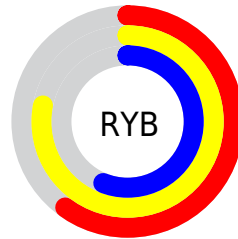
Distribution



Red (78%)

Green (75%)

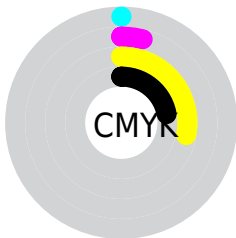
Blue (56%)



Red (60%)

Yellow (78%)

Blue (56%)

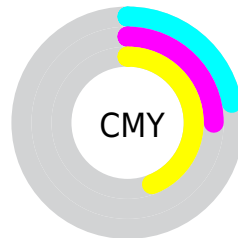


Cyan (0%)

Magenta (4%)

Yellow (28%)

Black (22%)



Cyan (22%)


Magenta (25%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7031, 51.9923, 33.9068 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 47.7031, 51.9923, 33.9068 by changing the saturation by 10% instead.


 47.7031, 51.9923,
33.9068


 47.7031, 51.9923,
33.9068


368.2163,
394.4069, 334.4727

 33.8021, 36.9989,
22.5452

 85.9746, 93.1199,
66.9209

 22.9038, 25.2067,
14.0559

 111.0757,
120.0229, 89.4106

 14.6428, 16.2311,
8.0204


140.6410,
151.6646, 116.4467

 8.6537, 9.6878,
4.0200

175.0357,
188.4293, 148.4478

 4.5713, 5.1925,
1.6363

214.6253,
230.7015, 185.8324

 2.0302, 2.3606,
0.3166

259.7750,

 0.6508, 0.8055,

278.8656, 229.0191

0.0000

310.8502,
333.3059, 278.4263

■ 0.0000, 0.0000,
0.0000

■ 47.7031, 51.9923,
33.9068

■ 47.7031, 51.9923,
33.9068

■ 45.6875, 50.1944,
26.3498

■ 50.0044, 53.9276,
42.8963

■ 43.9393, 48.5209,
20.1468

■ 52.6006, 55.9986,
53.3848

■ 42.4440, 46.9679,
15.2165

■ 55.5056, 58.2129,
65.4386

■ 41.1843, 45.5283,
11.4679

■ 58.7311, 60.5751,
79.1189

■ 40.1405, 44.1940,
8.7977

■ 62.2882, 63.0898,
94.4839

■ 39.2896, 42.9558,
7.0848

■ 64.7037, 65.1679,
103.7762

■ 38.5972, 41.7998,
6.1488

■ 65.4112, 66.5829,
104.0120

■ 38.4668, 41.5740,
5.9972

■ 66.1314, 68.0231,
104.2520

■ 66.8642, 69.4888,
104.4963

Harmonies

Analogous

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



52.6398, 51.9923, 34.6874



47.7031, 51.9923, 33.9068



43.5106, 51.9923, 38.3952

Triad

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



47.7031, 51.9923, 33.9068



42.5621, 51.9923, 76.1444



58.8993, 51.9923, 66.1358

Complementary

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



47.7031, 51.9923, 33.9068



33.1549, 32.5549, 59.1800

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.



55.8353, 51.9923, 79.8320



47.7031, 51.9923, 33.9068



46.3288, 51.9923, 86.2421

Square

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



47.7031, 51.9923, 33.9068



40.6762, 51.9923, 61.7241



51.1717, 51.9923, 87.6937



59.3283, 51.9923, 51.7879

Rectangle

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



47.7031, 51.9923, 33.9068



41.6181, 51.9923, 44.2903



51.1717, 51.9923, 87.6937



58.1342, 51.9923, 71.0273

Sweetspot

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



47.7044, 51.9946, 33.9079



91.0155, 96.9108, 92.2032



39.4934, 34.5066, 34.4573



19.3272, 20.6225, 19.1062



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.



47.7044, 51.9946, 33.9079



80.2734, 87.9734, 49.9422



44.6043, 53.0738, 34.2796



11.3899, 12.1489, 11.3074



24.5087, 26.5346, 3.8299



1.1968, 1.3291, 0.1935

Inverse Universe

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



33.1549, 32.5549, 59.1800



50.7209, 48.4948, 101.2949



35.6265, 31.9673, 58.9363



10.1768, 10.5277, 13.4132



6.9412, 3.2763, 35.0109



0.3692, 0.2362, 1.6713

Previews

White Background



This preview shows how the XYZ color 47.7031, 51.9923, 33.9068 looks on a white background.

Color Contrast Check

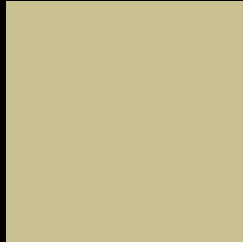
Large Text (above 18pt) WCAG AA × Fail

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 47.7031, 51.9923, 33.9068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

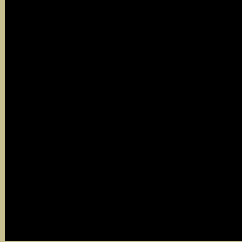
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

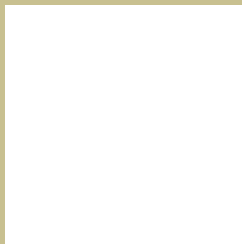
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7031, 51.9923, 33.9068

Background



This preview shows how black text looks on a background with the XYZ color 47.7031, 51.9923, 33.9068.



This preview shows how white text looks on a background with the XYZ color 47.7031, 51.9923,

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

47.7031, 51.9923, 33.9068

Protanopia

48.4906, 52.0821, 33.4837

Deuteranopia

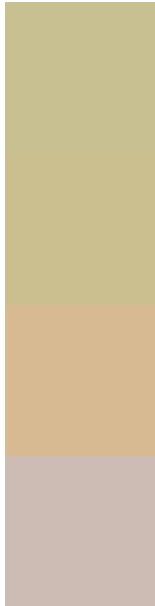
52.8623, 51.7896, 34.4044



Tritanopia

53.3899, 52.0868, 61.2726

Trichromacy



Original Color

47.7031, 51.9923, 33.9068

Protanomaly

48.2173, 51.9413, 33.4709

Deuteranomaly

50.6941, 51.6092, 34.0778

Tritanomaly

51.0217, 52.0585, 50.0070

Monochromacy



Original Color

47.7031, 51.9923, 33.9068

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.9486, 51.1815, 46.8870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7031, 51.9923, 33.9068 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(200, 192, 144)` looks like.

```
.text, #text, p{  
    color:rgb(200, 192, 144)  
}
```

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(200, 192, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 192, 144) }
```

Border

The CSS property to change the border of an element to XYZ 47.7031, 51.9923, 33.9068 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(200, 192, 144) }
```


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

```
.border{ border-color:rgb(200, 192, 144) }
```

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

Here you see how a box with a 4 pixel rgb(200, 192, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 192, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 192, 144);  
box-shadow:4px 4px 4px 4px rgb(200, 192,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7031, 51.9923, 33.9068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 192, 144) }
```

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

```
.background{ background-color: rgb(200,  
192, 144) }
```

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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