

Converting Colors

XYZ(48.5601, 50.2693, 33.7095)

Have a look what the booklet for
XYZ(48.5601, 50.2693, 33.7095)
contains.

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Color

**XYZ(48.3954, 50.1214,
33.5092)**

Conversions

Conversions Part 1

Format	Color
Hex	D0B990
RGB	208, 185, 144
RGB Percent	82%, 73%, 56%
CMY	0.1843, 0.2745, 0.4353
CMYK	0.00, 0.11, 0.31, 0.18
HSL	38°, 41%, 69%
HSV	38°, 31%, 82%
XYZ	48.3954, 50.1214, 33.5092
YIQ	187.2030, 26.8690, -7.8750

Conversions

Conversions Part 2

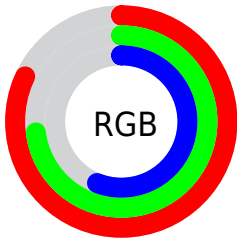
Format	Color
R _Y B	180, 208, 144
Decimal	13678992
CIE Lab	76.14, 2.09, 23.84
CIE LCh	76, 23.930, 84.986
Yxy	50.1214, 0.3666, 0.3796
Android (android.graphics.Color)	4291869072 (0xFFD0B990)
YUV	187.2030, -21.2991, 18.2390
Hunter-Lab	70.7965, -1.8739, 21.4945

Details

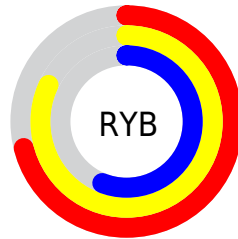
The XYZ color **48.3954, 50.1214, 33.5092** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.7051, 38.1197, 65.0979**, and the grayscale version is **47.4556, 49.9270, 54.3705**.

A 20% lighter version of the original color is **82.8883, 88.2478, 66.0909**, and **23.3639, 24.0651, 13.7696** is the 20% darker color. If you saturate the color by 10%, you get **45.4276, 46.4998, 25.3862**, and if you desaturate by 10%, it is **51.7409, 54.0292, 43.2043**.

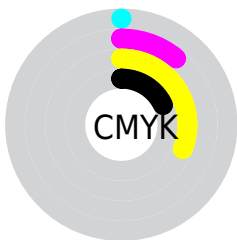
Distribution



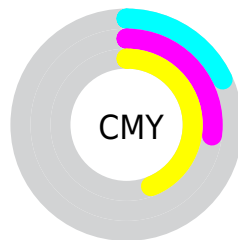
- Red (82%)
- Green (73%)
- Blue (56%)



- Red (71%)
- Yellow (82%)
- Blue (56%)



- Cyan (0%)
- Magenta (11%)
- Yellow (31%)
- Black (18%)



- Cyan (18%)
- Magenta (27%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3954, 50.1214, 33.5092 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 48.3954, 50.1214, 33.5092 by changing the saturation by 10% instead.

■ 48.3954, 50.1214,
33.5092

■ 48.3954, 50.1214,
33.5092

370.9138,
387.1405, 332.6401

■ 34.3527, 35.5099,
22.2425

■ 86.9990, 90.3547,
66.2948

■ 23.3288, 24.0559,
13.8352

■ 112.2905,
116.7453, 88.6509

■ 14.9585, 15.3751,
7.8687

142.0624,
147.8310, 115.5405

■ 8.8764, 9.0831,
3.9245

176.6799,
183.9963, 147.3821

■ 4.7171, 4.7954,
1.5840

216.5084,
225.6255, 184.5943

■ 2.1153, 2.1277,
0.2794

261.9134,

■ 0.6975, 0.6801,

273.1030, 227.5957

0.0000

313.2601,
326.8132, 276.8048

■ 0.0000, 0.0000,
0.0000

■ 48.3954, 50.1214,
33.5092

■ 48.3954, 50.1214,
33.5092

■ 45.4276, 46.4998,
25.3862

■ 51.7409, 54.0292,
43.2043

■ 42.8163, 43.1485,
18.7469

■ 55.4763, 58.2246,
54.5472

■ 40.5439, 40.0602,
13.4989

■ 59.6180, 62.7180,
67.6122

■ 38.5893, 37.2244,
9.5380

■ 64.1803, 67.5167,
82.4684

■ 36.9286, 34.6294,
6.7454

■ 69.1764, 72.6282,
99.1809

■ 35.5338, 32.2618,
4.9795

■ 72.3166, 77.1381,
105.6854

■ 34.4363, 30.2576,
4.0253

■ 74.4394, 81.3837,
106.3930

■ 76.6524, 85.8098,
107.1307

■ 78.9568, 90.4185,
107.8988

Harmonies

Analogous

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



52.7523, 50.1214, 36.7655



48.3954, 50.1214, 33.5092



44.0935, 50.1214, 35.1339

Triad

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



48.3954, 50.1214, 33.5092



40.2525, 50.1214, 65.6671



55.0450, 50.1214, 69.9814

Complementary

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



48.3954, 50.1214, 33.5092



36.7051, 38.1197, 65.0979

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.



51.3694, 50.1214, 80.1170



48.3954, 50.1214, 33.5092



42.8671, 50.1214, 77.3652

Square

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



48.3954, 50.1214, 33.5092



39.5656, 50.1214, 52.4467



46.8903, 50.1214, 83.0105



56.7419, 50.1214, 56.7574

Rectangle

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



48.3954, 50.1214, 33.5092



41.8072, 50.1214, 38.9240



46.8903, 50.1214, 83.0105



53.9891, 50.1214, 73.9397

Sweetspot

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



48.3967, 50.1237, 33.5102



88.9982, 93.4602, 89.7301



43.0043, 36.1643, 41.5001



18.8508, 19.7860, 18.5889



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.



48.3967, 50.1237, 33.5102



73.5250, 75.5864, 44.2711



51.2674, 59.3316, 35.1362



12.4313, 13.0532, 12.4764



21.5570, 19.0469, 2.5402



1.2790, 1.2123, 0.1666

Inverse Universe

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



36.7051, 38.1197, 65.0979



52.0920, 53.5897, 102.2061



34.4079, 31.2282, 63.8888



11.5064, 12.1030, 14.9733



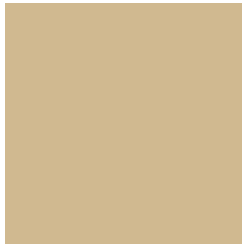
8.7365, 6.1196, 37.9132



0.5628, 0.4908, 2.1446

Previews

White Background



This preview shows how the XYZ color 48.3954, 50.1214, 33.5092 looks on a white background.

Color Contrast Check

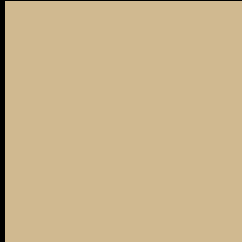
Large Text (above 18pt) WCAG AA × Fail

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 48.3954, 50.1214, 33.5092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

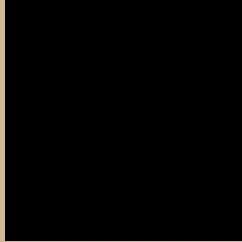
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3954, 50.1214, 33.5092

Background



This preview shows how black text looks on a background with the XYZ color 48.3954, 50.1214, 33.5092.

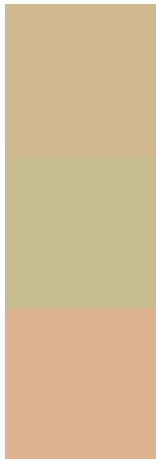


This preview shows how white text looks on a background with the XYZ color 48.3954, 50.1214,

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

48.3954, 50.1214, 33.5092

Protanopia

46.9135, 50.2901, 34.0224

Deuteranopia

50.9473, 49.9025, 33.7350



Tritanopia

53.1664, 49.9427, 56.7069

Trichromacy



Original Color

48.3954, 50.1214, 33.5092

Protanomaly

47.5098, 50.2815, 33.9893

Deuteranomaly

50.1577, 50.0992, 33.8146

Tritanomaly

51.4131, 50.1399, 47.5257

Monochromacy



Original Color

48.3954, 50.1214, 33.5092

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.4153, 49.6602, 45.6144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3954, 50.1214, 33.5092 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(208, 185, 144)` looks like.

```
.text, #text, p{  
    color:rgb(208, 185, 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(208, 185, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 185, 144) }
```

Border

The CSS property to change the border of an element to XYZ 48.3954, 50.1214, 33.5092 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(208, 185, 144) }
```


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

```
.border{ border-color:rgb(208, 185, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 185, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 185, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 185, 144);  
box-shadow:4px 4px 4px 4px rgb(208, 185,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3954, 50.1214, 33.5092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 185, 144) }
```

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

```
.background{ background-color: rgb(208,  
185, 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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