

Converting Colors

XYZ(49.0271, 51.6385, 36.7384)

Have a look what the booklet for
XYZ(49.0271, 51.6385, 36.7384)
contains.

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Color

**XYZ(48.9603, 51.6087,
36.6591)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | CDBD97 |
| RGB | 205, 189, 151 |
| RGB Percent | 80%, 74%, 59% |
| CMY | 0.1961, 0.2588, 0.4078 |
| CMYK | 0.00, 0.08, 0.26, 0.20 |
| HSL | 42°, 35%, 70% |
| HSV | 42°, 26%, 80% |
| XYZ | 48.9603, 51.6087, 36.6591 |
| YIQ | 189.4520, 21.7340, -8.4260 |

Conversions

Conversions Part 2

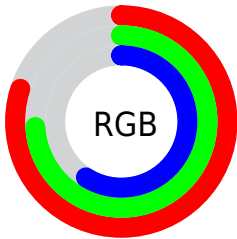
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 174, 205, 151 |
| Decimal | 13483415 |
| CIELab | 77.05, -0.25, 21.29 |
| CIELCh | 77, 21.291, 90.677 |
| Yxy | 51.6087, 0.3568, 0.3761 |
| Android (android.graphics.Color) | 4291673495 (0xFFCDBD97) |
| YUV | 189.4520, -18.9568, 13.6356 |
| Hunter-Lab | 71.8392, -4.0662, 20.0321 |

Details

The XYZ color **48.9603, 51.6087, 36.6591** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.6003, 38.6233, 63.2310**, and the grayscale version is **48.7263, 51.2639, 55.8264**.

A 20% lighter version of the original color is **84.9119, 90.9726, 70.8417**, and **23.6821, 25.0124, 15.6363** is the 20% darker color. If you saturate the color by 10%, you get **46.1596, 48.4437, 28.2137**, and if you desaturate by 10%, it is **52.1080, 55.0036, 46.6496**.

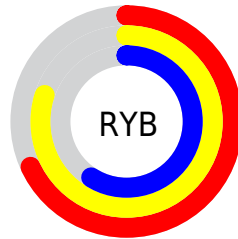
Distribution



Red (80%)

Green (74%)

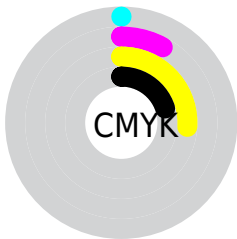
Blue (59%)



Red (68%)

Yellow (80%)

Blue (59%)

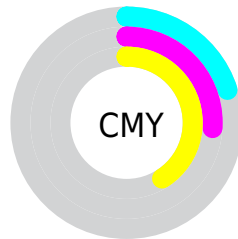


Cyan (0%)

Magenta (8%)

Yellow (26%)

Black (20%)



Cyan (20%)


Magenta (26%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9603, 51.6087, 36.6591 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 48.9603, 51.6087, 36.6591 by changing the saturation by 10% instead.


 48.9603, 51.6087,
36.6591


 48.9603, 51.6087,
36.6591


373.1056,
392.9241, 346.9564

 34.8024, 36.6933,
24.6499


 87.8336, 92.5539,
71.2286

 23.6765, 24.9701,
15.5998


 113.2796,
119.3525, 94.6261

 15.2173, 16.0548,
9.0901


143.2191,
150.8809, 122.6567

 9.0593, 9.5629,
4.7024

178.0174,
187.5235, 155.7390

 4.8373, 5.1101,
2.0181

218.0399,
229.6647, 194.2916

 2.1859, 2.3120,
0.5664

263.6518,

 0.7353, 0.7801,

277.6890, 238.7330

0.0000

315.2186,
331.9806, 289.4818

■ 0.0000, 0.0000,
0.0000

■ 48.9603, 51.6087,
36.6591

■ 48.9603, 51.6087,
36.6591

■ 46.1596, 48.4437,
28.2137

■ 52.1080, 55.0036,
46.6496

■ 43.6861, 45.4943,
21.2311

■ 55.6131, 58.6282,
58.2553

■ 41.5242, 42.7549,
15.6259

■ 59.4906, 62.4913,
71.5461

■ 39.6551, 40.2168,
11.3030

■ 63.7534, 66.5992,
86.5867

■ 38.0578, 37.8707,
8.1548

■ 68.4138, 70.9576,
103.4384

■ 36.7077, 35.7055,
6.0558

■ 70.2709, 74.2872,
105.2429

■ 35.5740, 33.7077,
4.8467

■ 71.9461, 77.6375,
105.8013

■ 35.1922, 33.0098,
4.5167

■ 73.6803, 81.1059,
106.3794

■ 75.4740, 84.6935,
106.9773

Harmonies

Analogous

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



52.9787, 51.6087, 38.8567



48.9603, 51.6087, 36.6591



45.1738, 51.6087, 39.0637

Triad

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



48.9603, 51.6087, 36.6591



42.6358, 51.6087, 68.3981



56.1837, 51.6087, 67.8776

Complementary

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



48.9603, 51.6087, 36.6591



37.6003, 38.6233, 63.2310

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.



53.1471, 51.6087, 77.7152



48.9603, 51.6087, 36.6591



45.3253, 51.6087, 78.0437

Square

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



48.9603, 51.6087, 36.6591



41.6484, 51.6087, 56.4578



49.1449, 51.6087, 81.6648



57.2860, 51.6087, 55.9292

Rectangle

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



48.9603, 51.6087, 36.6591



43.2540, 51.6087, 43.1744



49.1449, 51.6087, 81.6648



55.3474, 51.6087, 71.5966

Sweetspot

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



48.9616, 51.6110, 36.6602



90.0402, 94.9601, 91.8781



43.2374, 37.9103, 41.6953



19.0802, 20.1286, 19.0239



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.



48.9616, 51.6110, 36.6602



77.3498, 81.3490, 51.3636



49.7170, 57.3930, 37.7364



11.8623, 12.5136, 11.8696



21.9945, 20.7220, 2.8405



1.1987, 1.1970, 0.1679

Inverse Universe

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



37.6003, 38.6233, 63.2310



55.4682, 56.3420, 102.5594



36.9463, 34.2021, 62.4121



10.8681, 11.3766, 14.1935



7.9624, 4.9487, 36.4918



0.4774, 0.3885, 1.9048

Previews

White Background



This preview shows how the XYZ color 48.9603, 51.6087, 36.6591 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 48.9603, 51.6087, 36.6591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

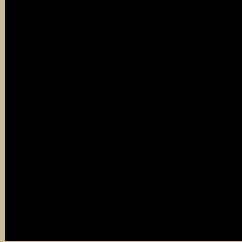
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9603, 51.6087, 36.6591

Background



This preview shows how black text looks on a background with the XYZ color 48.9603, 51.6087, 36.6591.

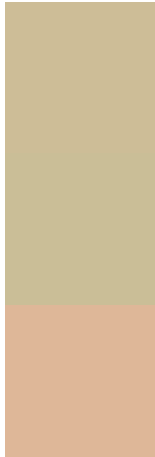


This preview shows how white text looks on a background with the XYZ color 48.9603, 51.6087,

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

48.9603, 51.6087, 36.6591

Protanopia

48.3565, 51.6178, 36.6927

Deuteranopia

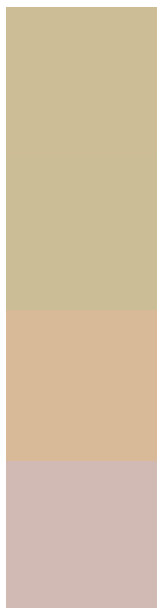
52.7252, 51.6636, 36.8989



Tritanopia

53.8755, 51.7471, 59.9720

Trichromacy



Original Color

48.9603, 51.6087, 36.6591

Protanomaly

48.6280, 51.7578, 36.7054

Deuteranomaly

51.3354, 51.5639, 36.9529

Tritanomaly

51.8817, 51.5485, 50.3954

Monochromacy



Original Color

48.9603, 51.6087, 36.6591

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.4411, 51.0924, 47.8661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9603, 51.6087, 36.6591 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(205, 189, 151)` looks like.

```
.text, #text, p{  
    color:rgb(205, 189, 151)  
}
```

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(205, 189, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 189, 151) }
```

Border

The CSS property to change the border of an element to XYZ 48.9603, 51.6087, 36.6591 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(205, 189, 151) }
```


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

```
.border{ border-color:rgb(205, 189, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 189, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 189, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 189, 151); box-shadow:4px 4px 4px 4px rgb(205, 189, 151) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9603, 51.6087, 36.6591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 189, 151) }
```

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

```
.background{ background-color: rgb(205,  
189, 151) }
```

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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