

Converting Colors

XYZ(49.6480, 51.2001, 42.3878)

Have a look what the booklet for
XYZ(49.6480, 51.2001, 42.3878)
contains.

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Color

**XYZ(49.6480, 51.2001,
42.3878)**

Conversions

Conversions Part 1

Format	Color
Hex	CDBBA4
RGB	205, 187, 164
RGB Percent	80%, 73%, 64%
CMY	0.1961, 0.2666, 0.3569
CMYK	0.00, 0.09, 0.20, 0.20
HSL	34°, 29%, 72%
HSV	34°, 20%, 80%
XYZ	49.6480, 51.2001, 42.3878
YIQ	189.7600, 18.1110, -3.3370

Conversions

Conversions Part 2

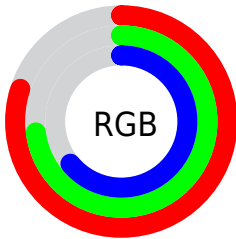
Format	Color
R _Y B	196, 205, 164
Decimal	13482916
CIE Lab	76.80, 2.68, 13.97
CIE LCh	77, 14.219, 79.146
Yxy	51.2001, 0.3466, 0.3575
Android (android.graphics.Color)	4291672996 (0xFFCDBBA4)
YUV	189.7600, -12.6997, 13.3655
Hunter-Lab	71.5542, -1.3675, 14.9654

Details

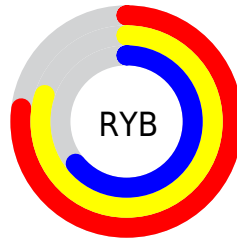
The XYZ color **49.6480, 51.2001, 42.3878** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.0570, 45.7551, 64.3203**, and the grayscale version is **48.8700, 51.4151, 55.9910**.

A 20% lighter version of the original color is **86.0768, 90.4757, 79.9446**, and **24.0274, 24.7041, 18.8312** is the 20% darker color. If you saturate the color by 10%, you get **46.0948, 46.8212, 32.7941**, and if you desaturate by 10%, it is **53.6220, 55.9422, 53.5952**.

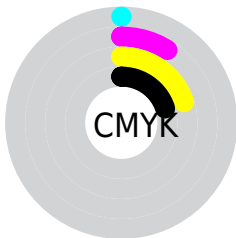
Distribution



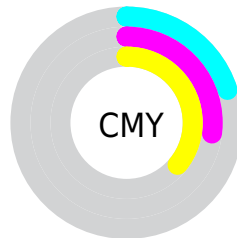
- Red (80%)
- Green (73%)
- Blue (64%)



- Red (77%)
- Yellow (80%)
- Blue (64%)



- Cyan (0%)
- Magenta (9%)
- Yellow (20%)
- Black (20%)





- Cyan (20%)
- Magenta (27%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6480, 51.2001, 42.3878 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 49.6480, 51.2001, 42.3878 by changing the saturation by 10% instead.


 49.6480, 51.2001,
42.3878


 49.6480, 51.2001,
42.3878


375.7626,
391.3407, 371.9350

 35.3504, 36.3679,
29.0772


 88.8481, 91.9505,
80.0626

 24.1007, 24.7185,
18.8932


 114.4813,
118.6374, 105.2640

 15.5335, 15.8674,
11.4171


144.6238,
150.0448, 135.2660

 9.2834, 9.4304,
6.2304

179.6409,
186.5569, 170.4872

 4.9851, 5.0230,
2.9146

219.8979,
228.5581, 211.3462

 2.2732, 2.2607,
1.0512

265.7604,

 0.7809, 0.7528,

276.4329, 258.2614

0.0000

317.5935,
330.5656, 311.6515

■ 0.0000, 0.0000,
0.0000

■ 49.6480, 51.2001,
42.3878

■ 49.6480, 51.2001,
42.3878

■ 46.0948, 46.8212,
32.7941

■ 53.6220, 55.9422,
53.5952

■ 42.9419, 42.7886,
24.7351

■ 58.0282, 61.0502,
66.4840

■ 40.1729, 39.0940,
18.1296

■ 62.8825, 66.5355,
81.1218

■ 37.7688, 35.7259,
12.8880

■ 68.1987, 72.4069,
97.5716

■ 35.7081, 32.6721,
8.9103

■ 72.0822, 77.9096,
105.8467

■ 33.9671, 29.9191,
6.0826

■ 74.6802, 83.1056,
106.7127

■ 32.5178, 27.4516,
4.2703

■ 77.4098, 88.5648,
107.6225

■ 31.3102, 25.2455,
3.2227

■ 78.9870, 91.7192,
108.1483

■ 31.3101, 25.2454,
3.2226

Harmonies

Analogous

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



52.1386, 51.2001, 45.2447



49.6480, 51.2001, 42.3878



46.9818, 51.2001, 42.8529

Triad

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



49.6480, 51.2001, 42.3878



43.9242, 51.2001, 60.7665



52.6961, 51.2001, 66.0470

Complementary

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



49.6480, 51.2001, 42.3878



43.0570, 45.7551, 64.3203

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.



50.3862, 51.2001, 71.0012



49.6480, 51.2001, 42.3878



45.3476, 51.2001, 67.7632

Square

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



49.6480, 51.2001, 42.3878



43.7430, 51.2001, 52.9959



47.6934, 51.2001, 71.6568



53.9412, 51.2001, 58.5942

Rectangle

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



49.6480, 51.2001, 42.3878



45.4608, 51.2001, 44.9973



47.6934, 51.2001, 71.6568



52.0146, 51.2001, 68.0881

Sweetspot

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



49.6494, 51.2024, 42.3889



90.5786, 94.8433, 95.7372



46.9429, 42.9267, 50.3123



19.2868, 20.1831, 20.1984



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.



49.6494, 51.2024, 42.3889



78.7365, 80.7087, 62.3497



53.1476, 59.0329, 43.7159



11.7257, 12.2404, 11.8240



19.5877, 15.9084, 2.0382



1.0853, 0.9703, 0.1301

Inverse Universe

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



43.0570, 45.7551, 64.3203



66.0142, 70.1976, 104.6779



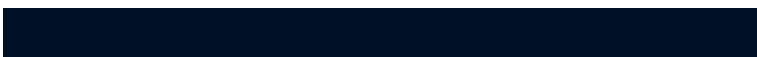
40.0319, 39.0718, 63.1897



11.0001, 11.6407, 14.2375



9.2263, 7.4765, 36.9131



0.5511, 0.5359, 1.9293

Previews

White Background



This preview shows how the XYZ color 49.6480, 51.2001, 42.3878 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 49.6480, 51.2001, 42.3878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

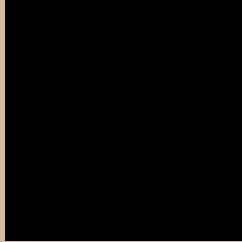
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6480, 51.2001, 42.3878

Background



This preview shows how black text looks on a background with the XYZ color 49.6480, 51.2001, 42.3878.



This preview shows how white text looks on a background with the XYZ color 49.6480, 51.2001,

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

49.6480, 51.2001, 42.3878

Protanopia

48.5423, 51.2539, 42.9319

Deuteranopia

52.3403, 51.3353, 42.7474



Tritanopia

53.1005, 51.0424, 59.8768

Trichromacy



Original Color

49.6480, 51.2001, 42.3878

Protanomaly

48.8621, 51.1006, 42.8854

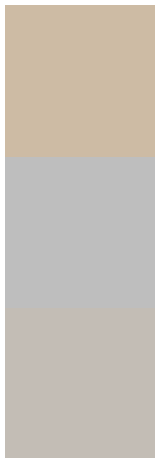
Deuteranomaly

51.3726, 51.1437, 42.7614

Tritanomaly

51.9099, 51.1937, 53.0444

Monochromacy



Original Color

49.6480, 51.2001, 42.3878

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.0438, 51.3335, 51.0395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6480, 51.2001, 42.3878 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, 187, 164)` looks like.

```
.text, #text, p{  
    color:rgb(205, 187, 164)  
}
```

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, 187, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 187, 164) }
```

Border

The CSS property to change the border of an element to XYZ 49.6480, 51.2001, 42.3878 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, 187, 164) }
```


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

```
.border{ border-color:rgb(205, 187, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 187, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 187, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 187, 164); box-shadow:4px 4px 4px 4px rgb(205, 187, 164) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6480, 51.2001, 42.3878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 187, 164) }
```

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

```
.background{ background-color: rgb(205,  
187, 164) }
```

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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