

Converting Colors

XYZ(51.5180, 48.9975, 33.6720)

Have a look what the booklet for
XYZ(51.5180, 48.9975, 33.6720)
contains.

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Color

**XYZ(51.3766, 48.9423,
33.5270)**

Conversions

Conversions Part 1

Format	Color
Hex	E0B091
RGB	224, 176, 145
RGB Percent	88%, 69%, 57%
CMY	0.1216, 0.3098, 0.4314
CMYK	0.00, 0.21, 0.35, 0.12
HSL	24°, 56%, 72%
HSV	24°, 35%, 88%
XYZ	51.3766, 48.9423, 33.5270
YIQ	186.8180, 38.5590, 0.5350

Conversions

Conversions Part 2

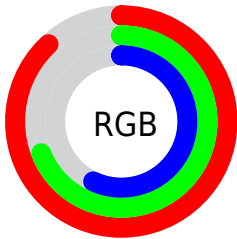
Format	Color
RYB	224, 196, 145
Decimal	14725265
CIELab	75.42, 13.27, 22.56
CIELCh	75, 26.170, 59.541
Yxy	48.9423, 0.3838, 0.3657
Android (android.graphics.Color)	4292915345 (0xFFE0B091)
YUV	186.8180, -20.6163, 32.6086
Hunter-Lab	69.9588, 8.6597, 20.5570

Details

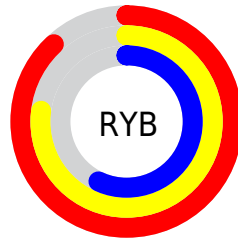
The XYZ color **51.3766, 48.9423, 33.5270** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.2008, 49.5396, 77.7534**, and the grayscale version is **47.2298, 49.6895, 54.1118**.

A 20% lighter version of the original color is **80.4054, 83.0967, 65.8343**, and **25.0397, 23.1896, 13.7460** is the 20% darker color. If you saturate the color by 10%, you get **47.2811, 43.2482, 24.4641**, and if you desaturate by 10%, it is **56.0827, 55.3123, 44.4746**.

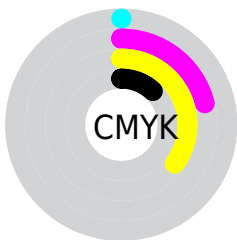
Distribution



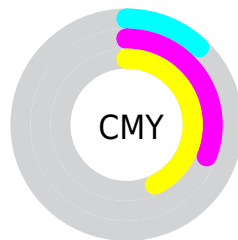
- Red (88%)
- Green (69%)
- Blue (57%)



- Red (88%)
- Yellow (77%)
- Blue (57%)



- Cyan (0%)
- Magenta (21%)
- Yellow (35%)
- Black (12%)





- Cyan (12%)
- Magenta (31%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3766, 48.9423, 33.5270 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 51.3766, 48.9423, 33.5270 by changing the saturation by 10% instead.


 51.3766, 48.9423,
33.5270

 51.3766, 48.9423,
33.5270


382.3888,
382.5151, 332.7223

 36.7307, 34.5737,
22.2561


 91.3909, 88.6058,
66.3229

 25.1717, 23.3347,
13.8451


 117.4900,
114.6694, 88.6849

 16.3345, 14.8408,
7.8755


148.1375,
145.4002, 115.5811

 9.8535, 8.7078,
3.9287

183.6987,
181.1825, 147.4299

 5.3634, 4.5511,
1.5863

224.5392,
222.4008, 184.6498

 2.4990, 1.9863,
0.2810

271.0241,

 0.8947, 0.5995,

269.4394, 227.6596

0.0000

323.5188,
322.6827, 276.8775

■ 0.0000, 0.0000,
0.0000

■ 51.3766, 48.9423,
33.5270

■ 51.3766, 48.9423,
33.5270

■ 47.2811, 43.2482,
24.4641

■ 56.0827, 55.3123,
44.4746

■ 43.7644, 38.1993,
17.1743

■ 61.4217, 62.3737,
57.4035

■ 40.7975, 33.7726,
11.5390

■ 67.4191, 70.1500,
72.4076

■ 38.3467, 29.9409,
7.4232

■ 74.0979, 78.6616,
89.5735

■ 36.3736, 26.6743,
4.6705

■ 81.1560, 87.7983,
107.2771

■ 34.8328, 23.9390,
3.0894

■ 84.5504, 94.5873,
108.4086

■ 34.2230, 22.8124,
2.5995

Harmonies

Analogous

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



55.0569, 48.9423, 41.2441



51.3766, 48.9423, 33.5270



46.5924, 48.9423, 30.9092

Triad

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



51.3766, 48.9423, 33.5270



37.8517, 48.9423, 53.0777



51.2394, 48.9423, 79.8806

Complementary

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



51.3766, 48.9423, 33.5270



44.2008, 49.5396, 77.7534

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.



46.4440, 48.9423, 84.4850



51.3766, 48.9423, 33.5270



38.9114, 48.9423, 67.4786

Square

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



51.3766, 48.9423, 33.5270



38.9773, 48.9423, 40.9346



41.9761, 48.9423, 79.6026



54.9739, 48.9423, 67.9102

Rectangle

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



51.3766, 48.9423, 33.5270



43.4863, 48.9423, 31.9842



41.9761, 48.9423, 79.6026



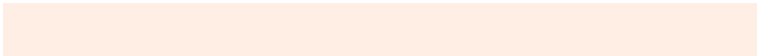
49.6878, 48.9423, 82.4243

Sweetspot

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



51.3779, 48.9446, 33.5280



85.6607, 87.9283, 85.0939



50.5719, 39.9809, 55.9242



18.1037, 18.5196, 17.6378



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.



51.3779, 48.9446, 33.5280



64.9764, 60.1930, 36.1693



60.0967, 66.3823, 36.4343



14.1463, 14.5785, 14.3751



20.0247, 13.4873, 1.5479



1.4734, 1.1056, 0.1358

Inverse Universe

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



44.2008, 49.5396, 77.7534



54.0305, 61.0783, 103.5493



36.7234, 34.5849, 75.2610



13.6415, 14.6221, 17.4910



13.0783, 13.6262, 42.9892



0.9929, 1.1173, 3.0086

Previews

White Background



This preview shows how the XYZ color 51.3766, 48.9423, 33.5270 looks on a white background.

Color Contrast Check

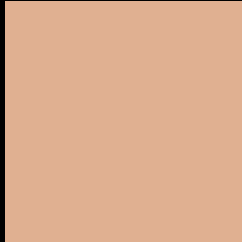
Large Text (above 18pt) WCAG AA × Fail

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 51.3766, 48.9423, 33.5270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

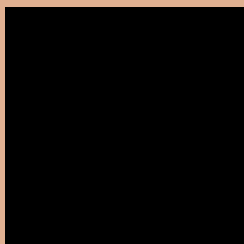
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3766, 48.9423, 33.5270

Background



This preview shows how black text looks on a background with the XYZ color 51.3766, 48.9423, 33.5270.



This preview shows how white text looks on a background with the XYZ color 51.3766, 48.9423,

33.5270.

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

51.3766, 48.9423, 33.5270

Protanopia

46.0899, 49.1901, 35.9196

Deuteranopia

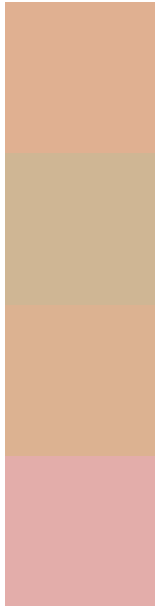
50.1444, 49.1900, 33.6398



Tritanopia

55.2095, 49.0805, 51.9110

Trichromacy



Original Color

51.3766, 48.9423, 33.5270

Protanomaly

47.8054, 48.8594, 34.9282

Deuteranomaly

50.5464, 49.1008, 33.6014

Tritanomaly

53.8778, 49.1203, 44.6717

Monochromacy



Original Color

51.3766, 48.9423, 33.5270

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.1993, 49.1249, 45.9714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3766, 48.9423, 33.5270 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(224, 176, 145)` looks like.

```
.text, #text, p{  
    color:rgb(224, 176, 145)  
}
```

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(224, 176, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 176, 145) }
```

Border

The CSS property to change the border of an element to XYZ 51.3766, 48.9423, 33.5270 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(224, 176, 145) }
```


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

```
.border{ border-color:rgb(224, 176, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 176, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 176, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 176, 145);  
box-shadow:4px 4px 4px 4px rgb(224, 176,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3766, 48.9423, 33.5270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 176, 145) }
```

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

```
.background{ background-color: rgb(224,  
176, 145) }
```

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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