

Converting Colors

XYZ(49.6473, 48.2013, 35.7836)

Have a look what the booklet for
XYZ(49.6473, 48.2013, 35.7836)
contains.

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Color

**XYZ(49.6270, 48.2776,
35.9810)**

Conversions

Conversions Part 1

Format	Color
Hex	D8B197
RGB	216, 177, 151
RGB Percent	85%, 69%, 59%
CMY	0.1529, 0.3059, 0.4078
CMYK	0.00, 0.18, 0.30, 0.15
HSL	24°, 45%, 72%
HSV	24°, 30%, 85%
XYZ	49.6270, 48.2776, 35.9810
YIQ	185.6970, 31.5900, 0.1820

Conversions

Conversions Part 2

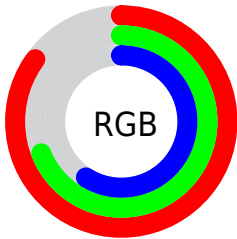
Format	Color
R _Y B	216, 194, 151
Decimal	14201239
CIE Lab	75.00, 10.38, 18.62
CIE LCh	75, 21.322, 60.864
Yxy	48.2776, 0.3707, 0.3606
Android (android.graphics.Color)	4292391319 (0xFFD8B197)
YUV	185.6970, -17.1056, 26.5757
Hunter-Lab	69.4821, 5.8985, 17.9344

Details

The XYZ color **49.6270, 48.2776, 35.9810** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **43.5701, 48.3626, 72.0045**, and the grayscale version is **46.5839, 49.0099, 53.3718**.

A 20% lighter version of the original color is **81.3984, 83.9456, 69.6706**, and **24.0051, 22.8090, 15.1940** is the 20% darker color. If you saturate the color by 10%, you get **45.5921, 42.7624, 26.7600**, and if you desaturate by 10%, it is **54.2290, 54.4120, 46.9776**.

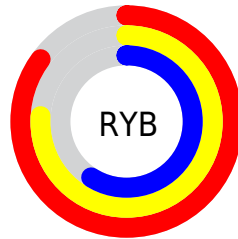
Distribution



Red (85%)

Green (69%)

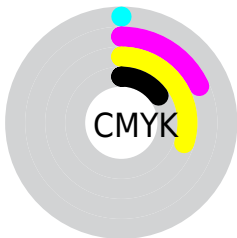
Blue (59%)



Red (85%)

Yellow (76%)

Blue (59%)

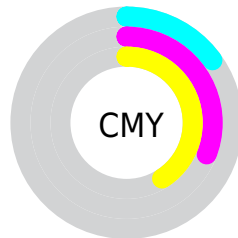


Cyan (0%)

Magenta (18%)

Yellow (30%)

Black (15%)



Cyan (15%)


Magenta (31%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6270, 48.2776, 35.9810 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 49.6270, 48.2776, 35.9810 by changing the saturation by 10% instead.


 49.6270, 48.2776,
35.9810


 49.6270, 48.2776,
35.9810


375.6816,
379.8914, 343.9124

 35.3337, 34.0468,
24.1299


 88.8171, 87.6176,
70.1715

 24.0878, 22.9295,
15.2170

 114.4446,
113.4955, 93.3479

 15.5238, 14.5415,
8.8235

144.5809,
144.0246, 121.1366

 9.2765, 8.4982,
4.5310

179.5914,
179.5893, 153.9561

 4.9805, 4.4154,
1.9209

219.8413,
220.5739, 192.2249

 2.2705, 1.9085,
0.5060

265.6961,

 0.7795, 0.5535,

267.3629, 236.3615

0.0000

317.5211,
320.3406, 286.7845

■ 0.0000, 0.0000,
0.0000

■ 49.6270, 48.2776,
35.9810

■ 49.6270, 48.2776,
35.9810

■ 45.5921, 42.7624,
26.7600

■ 54.2290, 54.4120,
46.9776

■ 42.0961, 37.8392,
19.2170

■ 59.4169, 61.1784,
59.8346

■ 39.1140, 33.4884,
13.2490

■ 65.2134, 68.5974,
74.6348

■ 36.6170, 29.6867,
8.7409

■ 71.6388, 76.6868,
91.4550

■ 34.5728, 26.4088,
5.5608

■ 78.0611, 85.2031,
106.9393

■ 32.9441, 23.6266,
3.5532

■ 82.0514, 93.1838,
108.2694

■ 31.6800, 21.3210,
2.4456

■ 82.1290, 93.3390,
108.2953

Harmonies

Analogous

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



52.6141, 48.2776, 42.3206



49.6270, 48.2776, 35.9810



45.7736, 48.2776, 33.9176

Triad

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



49.6270, 48.2776, 35.9810



38.8035, 48.2776, 52.8901



49.8333, 48.2776, 73.1913

Complementary

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



49.6270, 48.2776, 35.9810



43.5701, 48.3626, 72.0045

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.



45.9994, 48.2776, 77.0381



49.6270, 48.2776, 35.9810



39.7582, 48.2776, 64.3446

Square

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



49.6270, 48.2776, 35.9810



39.6556, 48.2776, 42.8071



42.3387, 48.2776, 73.5952



52.7379, 48.2776, 63.7059

Rectangle

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



49.6270, 48.2776, 35.9810



43.2725, 48.2776, 34.9759



42.3387, 48.2776, 73.5952



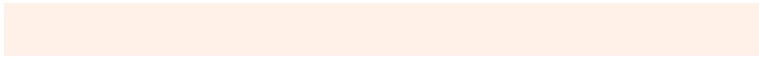
48.6035, 48.2776, 75.2422

Sweetspot

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



49.6283, 48.2798, 35.9820



87.3365, 90.1368, 89.1762



48.6802, 40.4504, 53.9576



18.4416, 18.9676, 18.4525



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.



49.6283, 48.2798, 35.9820



68.5060, 65.1860, 43.7158



56.8285, 62.6803, 38.3821



12.8269, 13.2281, 13.0379



18.8504, 12.8180, 1.4806



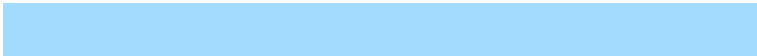
1.2168, 0.9328, 0.1159

Inverse Universe

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



43.5701, 48.3626, 72.0045



58.3377, 65.3125, 104.1396



37.2994, 35.8212, 69.9143



12.3560, 13.2354, 15.8410



12.1369, 12.5355, 40.2331



0.8120, 0.9161, 2.4533

Previews

White Background



This preview shows how the XYZ color 49.6270, 48.2776, 35.9810 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 49.6270, 48.2776, 35.9810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

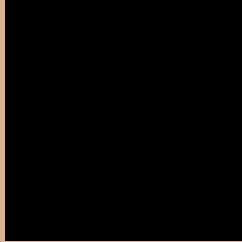
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6270, 48.2776, 35.9810

Background



This preview shows how black text looks on a background with the XYZ color 49.6270, 48.2776, 35.9810.



This preview shows how white text looks on a background with the XYZ color 49.6270, 48.2776,

35.9810.

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

49.6270, 48.2776, 35.9810

Protanopia

45.5626, 48.2496, 37.9221

Deuteranopia

49.2379, 48.3713, 36.0196



Tritanopia

53.0247, 48.2235, 52.4123

Trichromacy



Original Color

49.6270, 48.2776, 35.9810

Protanomaly

46.9852, 48.0774, 37.3753

Deuteranomaly

49.5306, 48.5222, 36.0333

Tritanomaly

51.8923, 48.3493, 46.1325

Monochromacy



Original Color

49.6270, 48.2776, 35.9810

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.5023, 48.7544, 46.4421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6270, 48.2776, 35.9810 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(216, 177, 151)` looks like.

```
.text, #text, p{  
    color:rgb(216, 177, 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(216, 177, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 177, 151) }
```

Border

The CSS property to change the border of an element to XYZ 49.6270, 48.2776, 35.9810 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(216, 177, 151) }
```


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

```
.border{ border-color:rgb(216, 177, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 177, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 177, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 177, 151);  
box-shadow:4px 4px 4px 4px rgb(216, 177,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6270, 48.2776, 35.9810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 177, 151) }
```

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

```
.background{ background-color: rgb(216,  
177, 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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