

Converting Colors

XYZ(48.7600, 48.4639, 28.6924)

Have a look what the booklet for
XYZ(48.7600, 48.4639, 28.6924)
contains.

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Color

**XYZ(48.9002, 48.6579,
28.6444)**

Conversions

Conversions Part 1

Format	Color
Hex	D9B384
RGB	217, 179, 132
RGB Percent	85%, 70%, 52%
CMY	0.1490, 0.2980, 0.4823
CMYK	0.00, 0.18, 0.39, 0.15
HSL	33°, 53%, 68%
HSV	33°, 39%, 85%
XYZ	48.9002, 48.6579, 28.6444
YIQ	185.0040, 37.7350, -6.5610

Conversions

Conversions Part 2

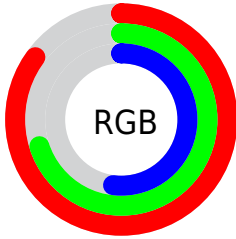
Format	Color
R _Y B	201, 217, 132
Decimal	14267268
CIE Lab	75.24, 7.38, 29.16
CIE LCh	75, 30.075, 75.798
Yxy	48.6579, 0.3875, 0.3856
Android (android.graphics.Color)	4292457348 (0xFFD9B384)
YUV	185.0040, -26.1310, 28.0605
Hunter-Lab	69.7552, 3.0615, 24.4817

Details

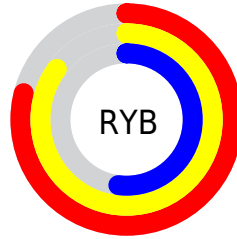
The XYZ color **48.9002, 48.6579, 28.6444** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.4142, 38.6632, 71.1890**, and the grayscale version is **46.2435, 48.6517, 52.9817**.

A 20% lighter version of the original color is **79.7053, 84.1794, 57.9463**, and **23.6818, 23.1080, 11.1948** is the 20% darker color. If you saturate the color by 10%, you get **45.6911, 44.3740, 20.9950**, and if you desaturate by 10%, it is **52.5574, 53.3435, 37.9680**.

Distribution



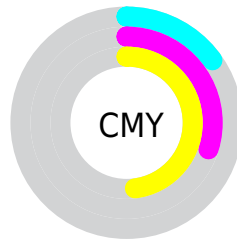
- Red (85%)
- Green (70%)
- Blue (52%)



- Red (79%)
- Yellow (85%)
- Blue (52%)



- Cyan (0%)
- Magenta (18%)
- Yellow (39%)
- Black (15%)





- Cyan (15%)
- Magenta (30%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9002, 48.6579, 28.6444 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 48.9002, 48.6579, 28.6444 by changing the saturation by 10% instead.

 48.9002, 48.6579,
28.6444


 48.9002, 48.6579,
28.6444


372.8728,
381.3940, 309.5417


 34.7545, 34.3482,
18.5687


 87.7448, 88.1831,
58.5471

 23.6395, 23.1612,
11.1854


 113.1745,
114.1675, 79.2111

 15.1897, 14.7126,
6.0760


 143.0962,
144.8121, 104.2417

 9.0398, 8.6179,
2.8218

177.8753,
180.5015, 134.0574

 4.8245, 4.4928,
1.0044

217.8771,
221.6199, 169.0767

 2.1783, 1.9529,
0.0000

263.4671,

 0.7313, 0.5799,

268.5519, 209.7181

0.0000

315.0105,
321.6818, 256.4003

■ 0.0000, 0.0000,
0.0000

■ 48.9002, 48.6579,
28.6444

■ 48.9002, 48.6579,
28.6444

■ 45.6911, 44.3740,
20.9950

■ 52.5574, 53.3435,
37.9680

■ 42.9043, 40.4715,
14.9142

■ 56.6795, 58.4364,
49.0566

■ 40.5168, 36.9385,
10.2891


■ 61.2864, 63.9507,
61.9980

■ 38.5010, 33.7592,
6.9900


■ 66.3962, 69.8975,
76.8731


■ 36.8251, 30.9159,
4.8637


■ 72.0254, 76.2876,
93.7581

 35.4390, 28.3834,
3.6625

 77.0087, 82.6587,
106.5037

 35.3318, 28.1849,
3.5780

 79.8968, 88.4349,
107.4664

 82.4252, 93.4917,
108.3092

Harmonies

Analogous

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



54.0467, 48.6579, 34.0454



48.9002, 48.6579, 28.6444



43.4190, 48.6579, 28.7900

Triad

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



48.9002, 48.6579, 28.6444



36.7712, 48.6579, 61.6909



54.2788, 48.6579, 77.1152

Complementary

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



48.9002, 48.6579, 28.6444



36.4142, 38.6632, 71.1890

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.



49.1970, 48.6579, 87.9283



48.9002, 48.6579, 28.6444



39.2379, 48.6579, 77.8863

Square

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



48.9002, 48.6579, 28.6444



36.7056, 48.6579, 45.8691



43.6932, 48.6579, 88.2357



57.3153, 48.6579, 60.7907

Rectangle

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



48.9002, 48.6579, 28.6444



40.3151, 48.6579, 31.9580



43.6932, 48.6579, 88.2357



52.7359, 48.6579, 81.6462

Sweetspot

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



48.9014, 48.6602, 28.6454



86.2995, 89.7649, 83.5836



44.1461, 34.1664, 42.4228



18.2815, 18.9867, 17.3534



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.



48.9014, 48.6602, 28.6454



66.6101, 64.9863, 32.0100



56.3458, 65.4003, 31.4842



13.6501, 14.2395, 13.7546



21.4951, 17.2757, 2.2016



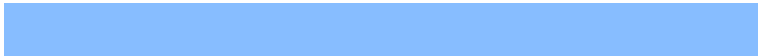
1.4781, 1.2903, 0.1711

Inverse Universe

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



36.4142, 38.6632, 71.1890



46.2038, 48.6593, 101.5647



30.9701, 26.7681, 69.1799



12.8155, 13.5707, 16.5961



10.2713, 8.4120, 40.8207



0.7506, 0.7152, 2.6729

Previews

White Background



This preview shows how the XYZ color 48.9002, 48.6579, 28.6444 looks on a white background.

Color Contrast Check

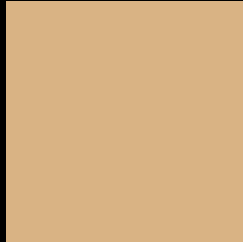
Large Text (above 18pt) WCAG AA × Fail

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 48.9002, 48.6579, 28.6444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

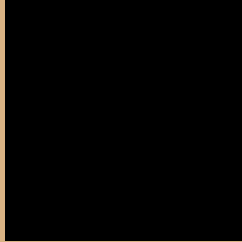
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9002, 48.6579, 28.6444

Background



This preview shows how black text looks on a background with the XYZ color 48.9002, 48.6579, 28.6444.



This preview shows how white text looks on a background with the XYZ color 48.9002, 48.6579,

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

48.9002, 48.6579, 28.6444

Protanopia

45.2753, 48.5893, 29.9141

Deuteranopia

49.6005, 48.7224, 28.6199



Tritanopia

53.6337, 48.5374, 52.4408

Trichromacy



Original Color

48.9002, 48.6579, 28.6444

Protanomaly

46.6902, 48.7100, 29.4954

Deuteranomaly

49.2987, 48.5668, 28.6058

Tritanomaly

51.7281, 48.6288, 42.7363

Monochromacy



Original Color

48.9002, 48.6579, 28.6444

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.8424, 48.4905, 42.9671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9002, 48.6579, 28.6444 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(217, 179, 132)` looks like.

```
.text, #text, p{  
    color:rgb(217, 179, 132)  
}
```

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(217, 179, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 179, 132) }
```

Border

The CSS property to change the border of an element to XYZ 48.9002, 48.6579, 28.6444 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(217, 179, 132) }
```


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

```
.border{ border-color:rgb(217, 179, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 179, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 179, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 179, 132);  
box-shadow:4px 4px 4px 4px rgb(217, 179,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9002, 48.6579, 28.6444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 179, 132) }
```

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

```
.background{ background-color: rgb(217,  
179, 132) }
```

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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