

Converting Colors

XYZ(40.0315, 33.5338, 17.4817)

Have a look what the booklet for
XYZ(40.0315, 33.5338, 17.4817)
contains.

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Color

**XYZ(40.0596, 33.6425,
17.4790)**

Conversions

Conversions Part 1

Format	Color
Hex	D98968
RGB	217, 137, 104
RGB Percent	85%, 54%, 41%
CMY	0.1490, 0.4627, 0.5922
CMYK	0.00, 0.37, 0.52, 0.15
HSL	18°, 60%, 63%
HSV	18°, 52%, 85%
XYZ	40.0596, 33.6425, 17.4790
YIQ	157.1580, 58.2730, 6.6970

Conversions

Conversions Part 2

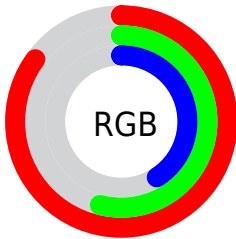
Format	Color
R _Y B	217, 151, 104
Decimal	14256488
CIE Lab	64.68, 27.13, 30.40
CIE LCh	65, 40.749, 48.255
Yxy	33.6425, 0.4393, 0.3690
Android (android.graphics.Color)	4292446568 (0xFFD98968)
YUV	157.1580, -26.2069, 52.4814
Hunter-Lab	58.0022, 21.7785, 22.7344

Details

The XYZ color **40.0596, 33.6425, 17.4790** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.3728, 42.2317, 71.9325**, and the grayscale version is **32.2157, 33.8934, 36.9099**.

A 20% lighter version of the original color is **65.8716, 60.9219, 39.7398**, and **18.3397, 14.3120, 5.5373** is the 20% darker color. If you saturate the color by 10%, you get **37.0656, 29.1973, 11.7250**, and if you desaturate by 10%, it is **43.6498, 38.8264, 24.8314**.

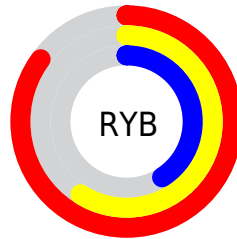
Distribution



Red (85%)

Green (54%)

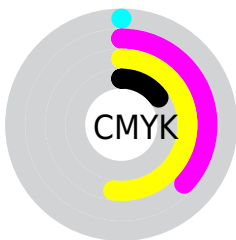
Blue (41%)



Red (85%)

Yellow (59%)

Blue (41%)

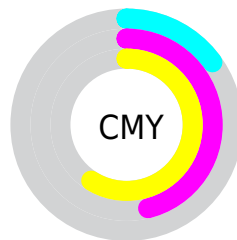


Cyan (0%)

Magenta (37%)

Yellow (52%)

Black (15%)



Cyan (15%)


Magenta (46%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0596, 33.6425, 17.4790 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 40.0596, 33.6425, 17.4790 by changing the saturation by 10% instead.


 40.0596, 33.6425,
17.4790


 40.0596, 33.6425,
17.4790


337.5048,
318.5350, 250.0545


 27.7694, 22.6191,
10.4110


 74.5380, 65.3773,
39.9494


 18.2915, 14.3125,
5.5632


 97.4570, 86.8576,
56.1889

 11.2604, 8.3383,
2.5169


 124.6496,
112.5922, 76.3227

 6.3109, 4.3122,
0.8491

 156.4812,
142.9656, 100.7693

 3.0775, 1.8497,
0.0000

193.3172,
178.3622, 129.9472

 1.1949, 0.5179,
0.0000

235.5229,

 0.1023, 0.0000,

219.1664, 164.2750

0.0000

283.4636,
265.7625, 204.1713

■ 0.0000, 0.0000,
0.0000

■ 40.0596, 33.6425,
17.4790

■ 40.0596, 33.6425,
17.4790

■ 37.0656, 29.1973,
11.7250

■ 43.6498, 38.8264,
24.8314

■ 34.6299, 25.4507,
7.4461

■ 47.8659, 44.7764,
33.8891

■ 32.7140, 22.3661,
4.5038

■ 52.7384, 51.5247,
44.7516

■ 31.2721, 19.9011,
2.7317

■ 58.2951, 59.1002,
57.5106

■ 30.4139, 18.3491,
1.9387

■ 64.5619, 67.5300,
72.2512

■ 71.5636, 76.8403,
89.0533

■ 79.1782, 86.9977,
107.2268

■ 82.4251, 93.4916,
108.3092

Harmonies

Analogous

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



43.8832, 33.6425, 27.4438



40.0596, 33.6425, 17.4790



34.3194, 33.6425, 13.2880

Triad

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



40.0596, 33.6425, 17.4790



22.1851, 33.6425, 30.4609



35.6281, 33.6425, 76.4976

Complementary

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



40.0596, 33.6425, 17.4790



35.3728, 42.2317, 71.9325

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.



29.7422, 33.6425, 78.0538



40.0596, 33.6425, 17.4790



22.4450, 33.6425, 47.6688

Square

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



40.0596, 33.6425, 17.4790



24.3012, 33.6425, 19.1054



25.0606, 33.6425, 66.2828



41.1177, 33.6425, 62.5180

Rectangle

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



40.0596, 33.6425, 17.4790



30.3893, 33.6425, 13.1156



25.0606, 33.6425, 66.2828



33.6174, 33.6425, 78.6190

Sweetspot

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



40.0604, 33.6442, 17.4796



80.6313, 80.5816, 75.0564



42.3208, 28.1546, 49.0936



16.9029, 16.7630, 15.2492



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.



40.0604, 33.6442, 17.4796



53.2272, 41.7896, 16.5456



50.0772, 53.6777, 20.8186



13.3644, 13.6681, 13.6594



18.4906, 11.2668, 1.2001



1.2714, 0.8769, 0.1022

Inverse Universe

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



35.3728, 42.2317, 71.9325



45.7259, 55.2695, 102.8658



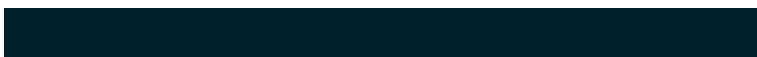
26.0159, 23.5179, 68.8136



13.1069, 14.1536, 16.6933



14.6340, 17.1374, 42.2750



1.0211, 1.2563, 2.7631

Previews

White Background



This preview shows how the XYZ color 40.0596, 33.6425, 17.4790 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 40.0596, 33.6425, 17.4790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

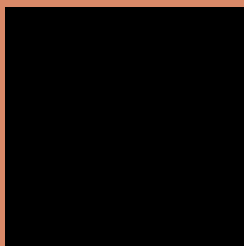
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0596, 33.6425, 17.4790

Background



This preview shows how black text looks on a background with the XYZ color 40.0596, 33.6425, 17.4790.



This preview shows how white text looks on a background with the XYZ color 40.0596, 33.6425,

17.4790.

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

40.0596, 33.6425, 17.4790

Protanopia

31.3438, 33.7188, 20.1856

Deuteranopia

34.2416, 33.5711, 16.9871



Tritanopia

42.6489, 33.6712, 29.8425

Trichromacy



Original Color

40.0596, 33.6425, 17.4790

Protanomaly

33.9164, 33.3559, 19.1187

Deuteranomaly

36.0769, 33.3522, 17.1065

Tritanomaly

41.6348, 33.6688, 24.7264

Monochromacy



Original Color

40.0596, 33.6425, 17.4790

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

34.0842, 33.2314, 28.6626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0596, 33.6425, 17.4790 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, 137, 104)` looks like.

```
.text, #text, p{  
    color:rgb(217, 137, 104)  
}
```

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, 137, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 137, 104) }
```

Border

The CSS property to change the border of an element to XYZ 40.0596, 33.6425, 17.4790 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, 137, 104) }
```


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

```
.border{ border-color:rgb(217, 137, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 137, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 137, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 137, 104);  
box-shadow:4px 4px 4px 4px rgb(217, 137,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0596, 33.6425, 17.4790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 137, 104) }
```

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

```
.background{ background-color: rgb(217,  
137, 104) }
```

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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