

Converting Colors

XYZ(40.5946, 40.3086, 18.1501)

Have a look what the booklet for
XYZ(40.5946, 40.3086, 18.1501)
contains.

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Color

**XYZ(40.5756, 40.3476,
18.2197)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA466
RGB	204, 164, 102
RGB Percent	80%, 64%, 40%
CMY	0.2000, 0.3568, 0.6000
CMYK	0.00, 0.20, 0.50, 0.20
HSL	36°, 50%, 60%
HSV	36°, 50%, 80%
XYZ	40.5756, 40.3476, 18.2197
YIQ	168.8920, 43.7420, -10.8020

Conversions

Conversions Part 2

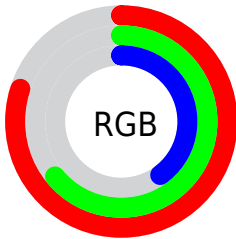
Format	Color
R _Y B	168, 204, 102
Decimal	13411430
CIE Lab	69.72, 7.02, 37.58
CIE LCh	70, 38.226, 79.424
Yxy	40.3476, 0.4093, 0.4070
Android (android.graphics.Color)	4291601510 (0xFFCCA466)
YUV	168.8920, -32.9778, 30.7897
Hunter-Lab	63.5198, 2.8639, 27.4574

Details

The XYZ color **40.5756, 40.3476, 18.2197** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.0512, 26.5295, 60.8743**, and the grayscale version is **37.8023, 39.7710, 43.3106**.

A 20% lighter version of the original color is **72.4043, 74.2561, 41.0886**, and **18.4694, 18.0484, 5.8784** is the 20% darker color. If you saturate the color by 10%, you get **38.2992, 37.2195, 13.0690**, and if you desaturate by 10%, it is **43.1930, 43.7592, 24.7131**.

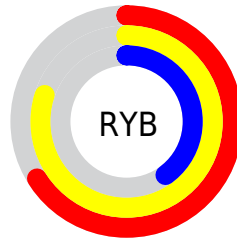
Distribution



Red (80%)

Green (64%)

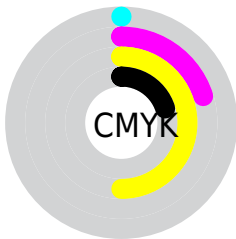
Blue (40%)



Red (66%)

Yellow (80%)

Blue (40%)

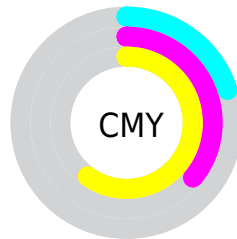


Cyan (0%)

Magenta (20%)

Yellow (50%)

Black (20%)



Cyan (20%)


Magenta (36%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5756, 40.3476, 18.2197 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 40.5756, 40.3476, 18.2197 by changing the saturation by 10% instead.


 40.5756, 40.3476,
18.2197


 40.5756, 40.3476,
18.2197


339.6367,
347.5865, 254.3841

 28.1738, 27.8097,
10.9368


 75.3180, 75.6925,
41.2303


 18.5979, 18.1822,
5.9107


 98.3893, 99.2683,
57.7951

 11.4823, 11.0809,
2.7229


 125.7479,
127.2922, 78.2909

 6.4619, 6.1213,
0.9549

 157.7591,
160.1485, 103.1362

 3.1712, 2.9190,
0.0000

194.7882,
198.2217, 132.7497

 1.2450, 1.0896,
0.0000

237.2006,

 0.1414, 0.0000,

241.8962, 167.5498

0.0000

285.3616,
291.5563, 207.9550

■ 0.0000, 0.0000,
0.0000

■ 40.5756, 40.3476,
18.2197

■ 40.5756, 40.3476,
18.2197

■ 38.2992, 37.2195,
13.0690

■ 43.1930, 43.7592,
24.7131

■ 36.3406, 34.3585,
9.1600

■ 46.1667, 47.4584,
32.6351

■ 34.6779, 31.7546,
6.3813

■ 49.5145, 51.4564,
42.0677

■ 33.2842, 29.3943,
4.6001

■ 53.2521, 55.7619,
53.0854

■ 32.1107, 27.2552,
3.5684

■ 57.3941, 60.3831,
65.7580

■ 32.1106, 27.2550,
3.5683

■ 61.9543, 65.3278,
80.1513

■ 66.9458, 70.6036,
96.3271

■ 70.6946, 75.5429,
105.4630

■ 72.9463, 80.0464,
106.2136

Harmonies

Analogous

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



46.6243, 40.3476, 22.7931



40.5756, 40.3476, 18.2197



34.5254, 40.3476, 18.9872

Triad

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



40.5756, 40.3476, 18.2197



28.1834, 40.3476, 56.2713



48.1191, 40.3476, 70.0450

Complementary

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



40.5756, 40.3476, 18.2197



26.0512, 26.5295, 60.8743

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.



42.4453, 40.3476, 84.5605



40.5756, 40.3476, 18.2197



31.1162, 40.3476, 75.2438

Square

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



40.5756, 40.3476, 18.2197



27.7981, 40.3476, 37.9673



36.2057, 40.3476, 86.6842



51.2803, 40.3476, 50.4901

Rectangle

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



40.5756, 40.3476, 18.2197



31.2759, 40.3476, 22.5098



36.2057, 40.3476, 86.6842



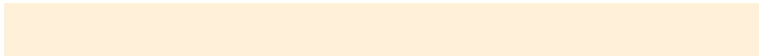
46.4157, 40.3476, 75.8762

Sweetspot

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



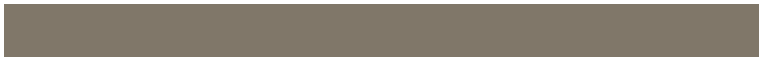
40.5766, 40.3495, 18.2205



84.8925, 88.5780, 78.0982



34.5962, 24.3176, 28.7780



17.8914, 18.6364, 15.8979



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.



40.5766, 40.3495, 18.2205



63.1550, 61.2527, 21.0647



46.1880, 55.5879, 20.8661



11.7702, 12.3294, 11.8389



20.3037, 17.3404, 2.2769



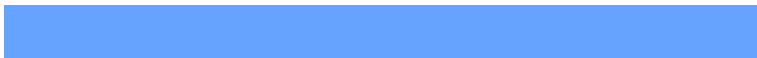
1.1200, 1.0397, 0.1416

Inverse Universe

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



26.0512, 26.5295, 60.8743



36.4486, 35.8830, 99.6128



22.3584, 17.3207, 59.2915



10.9566, 11.5535, 14.2230



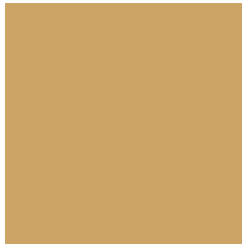
8.7499, 6.5237, 36.7543



0.5247, 0.4832, 1.9205

Previews

White Background



This preview shows how the XYZ color 40.5756, 40.3476, 18.2197 looks on a white background.

Color Contrast Check

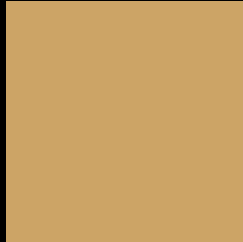
Large Text (above 18pt) WCAG AA × Fail

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 40.5756, 40.3476, 18.2197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

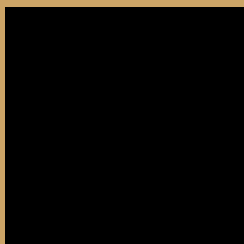
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5756, 40.3476, 18.2197

Background



This preview shows how black text looks on a background with the XYZ color 40.5756, 40.3476, 18.2197.



This preview shows how white text looks on a background with the XYZ color 40.5756, 40.3476,

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

40.5756, 40.3476, 18.2197

Protanopia

37.3113, 40.5644, 18.9599

Deuteranopia

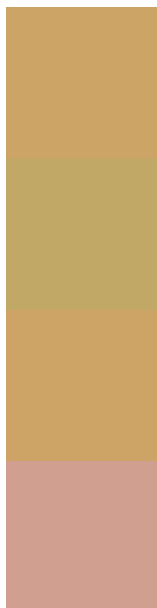
41.2276, 40.4191, 18.1991



Tritanopia

45.5347, 40.3057, 42.4256

Trichromacy



Original Color

40.5756, 40.3476, 18.2197

Protanomaly

38.4431, 40.3220, 18.5887

Deuteranomaly

40.9491, 40.2755, 18.1861

Tritanomaly

43.4446, 40.2198, 31.8590

Monochromacy



Original Color

40.5756, 40.3476, 18.2197

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.2210, 39.6269, 32.4223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5756, 40.3476, 18.2197 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(204, 164, 102)` looks like.

```
.text, #text, p{  
    color:rgb(204, 164, 102)  
}
```

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(204, 164, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 164, 102) }
```

Border

The CSS property to change the border of an element to XYZ 40.5756, 40.3476, 18.2197 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(204, 164, 102) }
```


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

```
.border{ border-color:rgb(204, 164, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 164, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 164, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 164, 102);  
box-shadow:4px 4px 4px 4px rgb(204, 164,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5756, 40.3476, 18.2197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 164, 102) }
```

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

```
.background{ background-color: rgb(204,  
164, 102) }
```

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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