

Converting Colors

XYZ(40.6509, 38.1178, 16.0414)

Have a look what the booklet for
XYZ(40.6509, 38.1178, 16.0414)
contains.

XYZ(40.6509, 38.1178, 16.0414)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.6509, 38.1178,
16.0414)**

Conversions

Conversions Part 1

Format	Color
Hex	D39B5F
RGB	211, 155, 95
RGB Percent	83%, 61%, 37%
CMY	0.1726, 0.3921, 0.6274
CMYK	0.00, 0.27, 0.55, 0.17
HSL	31°, 57%, 60%
HSV	31°, 55%, 83%
XYZ	40.6509, 38.1178, 16.0414
YIQ	164.9040, 52.6360, -6.7880

Conversions

Conversions Part 2

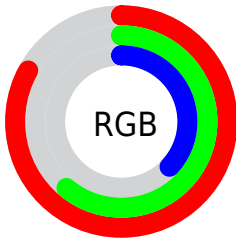
Format	Color
R_{YB}	203, 211, 95
Decimal	13867871
CIE Lab	68.11, 14.18, 39.38
CIE LCh	68, 41.858, 70.192
Yxy	38.1178, 0.4288, 0.4020
Android (android.graphics.Color)	4292057951 (0xFFD39B5F)
YUV	164.9040, -34.4627, 40.4262
Hunter-Lab	61.7396, 9.4845, 27.8128

Details

The XYZ color **40.6509, 38.1178, 16.0414** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **27.5433, 29.2680, 65.8255**, and the grayscale version is **35.8613, 37.7289, 41.0868**.

A 20% lighter version of the original color is **69.3069, 68.9675, 37.2630**, and **18.5803, 16.8702, 4.8618** is the 20% darker color. If you saturate the color by 10%, you get **38.1946, 34.5379, 11.1146**, and if you desaturate by 10%, it is **43.5118, 42.0914, 22.3852**.

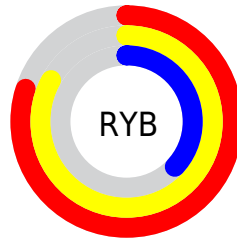
Distribution



Red (83%)

Green (61%)

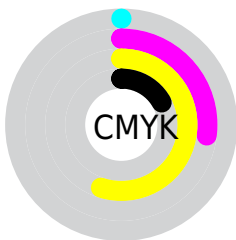
Blue (37%)



Red (80%)

Yellow (83%)

Blue (37%)

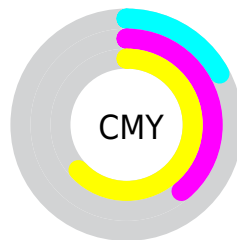


Cyan (0%)

Magenta (27%)

Yellow (55%)

Black (17%)



Cyan (17%)


Magenta (39%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6509, 38.1178, 16.0414 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 40.6509, 38.1178, 16.0414 by changing the saturation by 10% instead.


 40.6509, 38.1178,
16.0414


 40.6509, 38.1178,
16.0414


339.9470,
338.1250, 241.4399

 28.2329, 26.0741,
9.3988

 75.4317, 72.2887,
37.4379


 18.6426, 16.8791,
4.9018


 98.5252, 95.1846,
53.0288

 11.5148, 10.1483,
2.1321


 125.9079,
122.4668, 72.4395

 6.4841, 5.4974,
0.6348

 157.9452,
154.5197, 96.0887

 3.1850, 2.5420,
0.0000

195.0024,
191.7275, 124.3947

 1.2523, 0.8976,
0.0000

237.4449,

 0.1471, 0.0000,

234.4747, 157.7763

0.0000

285.6379,
283.1458, 196.6518

■ 0.0000, 0.0000,
0.0000

■ 40.6509, 38.1178,
16.0414

■ 40.6509, 38.1178,
16.0414

■ 38.1946, 34.5379,
11.1146

■ 43.5118, 42.0914,
22.3852

■ 36.1151, 31.3303,
7.4882

■ 46.7970, 46.4674,
30.2455

■ 34.3847, 28.4798,
5.0302

■ 50.5281, 51.2612,
39.7154

■ 32.9692, 25.9665,
3.5790

■ 54.7241, 56.4855,
50.8797

■ 32.3482, 24.8175,
3.0853

■ 59.4029, 62.1524,
63.8172

■ 64.5813, 68.2734,
78.6019

■ 70.2753, 74.8594,
95.3033

■ 75.0501, 81.3412,
106.3526

■ 78.0748, 87.3908,
107.3609

Harmonies

Analogous

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



46.6864, 38.1178, 22.3618



40.6509, 38.1178, 16.0414



34.0542, 38.1178, 15.2282

Triad

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



40.6509, 38.1178, 16.0414



25.2289, 38.1178, 48.1940



44.9471, 38.1178, 75.4567

Complementary

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



40.6509, 38.1178, 16.0414



27.5433, 29.2680, 65.8255

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.



38.4962, 38.1178, 87.8784



40.6509, 38.1178, 16.0414



27.4642, 38.1178, 69.2874

Square

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



40.6509, 38.1178, 16.0414



25.6590, 38.1178, 30.4773



32.1415, 38.1178, 85.3324



49.3658, 38.1178, 54.9128

Rectangle

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



40.6509, 38.1178, 16.0414



30.2780, 38.1178, 17.5448



32.1415, 38.1178, 85.3324



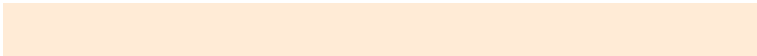
42.9146, 38.1178, 80.9638

Sweetspot

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



40.6518, 38.1197, 16.0421



83.1989, 85.7168, 75.9123



36.5477, 24.2701, 32.0652



17.5121, 17.9815, 15.4522



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.



40.6518, 38.1197, 16.0421



58.0376, 52.1222, 15.9544



51.6731, 60.9797, 19.8737



12.3073, 12.8053, 12.4350



19.6254, 15.1837, 1.8964



1.1766, 1.0075, 0.1325

Inverse Universe

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



27.5433, 29.2680, 65.8255



35.9443, 37.2154, 99.8966



20.7731, 15.4257, 63.5104



11.6279, 12.3460, 15.0138



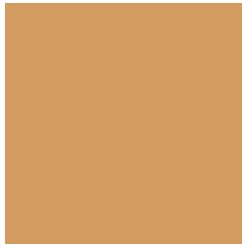
10.0563, 8.7591, 38.3531



0.6416, 0.6483, 2.1709

Previews

White Background



This preview shows how the XYZ color 40.6509, 38.1178, 16.0414 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 40.6509, 38.1178, 16.0414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

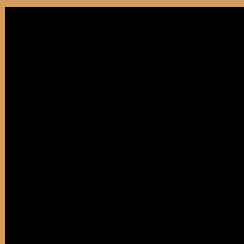
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6509, 38.1178, 16.0414

Background



This preview shows how black text looks on a background with the XYZ color 40.6509, 38.1178, 16.0414.



This preview shows how white text looks on a background with the XYZ color 40.6509, 38.1178,

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

40.6509, 38.1178, 16.0414

Protanopia

35.1798, 38.1184, 17.3078

Deuteranopia

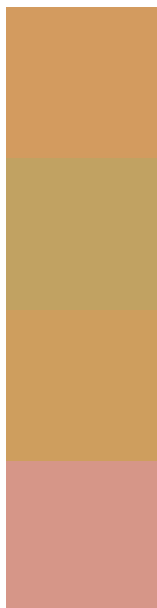
39.0471, 38.3009, 15.9245



Tritanopia

45.0106, 37.9696, 37.7574

Trichromacy



Original Color

40.6509, 38.1178, 16.0414

Protanomaly

37.1173, 38.0600, 16.9453

Deuteranomaly

39.7008, 38.3837, 15.9060

Tritanomaly

43.0818, 37.8864, 28.3347

Monochromacy



Original Color

40.6509, 38.1178, 16.0414

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.7699, 37.3283, 30.0780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6509, 38.1178, 16.0414 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(211, 155, 95)` looks like.

```
.text, #text, p{  
    color:rgb(211, 155, 95)  
}
```

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(211, 155, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 155, 95) }
```

Border

The CSS property to change the border of an element to XYZ 40.6509, 38.1178, 16.0414 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(211, 155, 95) }
```


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

```
.border{ border-color:rgb(211, 155, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 155, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 155, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 155, 95);  
box-shadow:4px 4px 4px 4px rgb(211, 155,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6509, 38.1178, 16.0414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 155, 95) }
```

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

```
.background{ background-color: rgb(211,  
155, 95) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor