

Converting Colors

XYZ(40.0794, 39.8534, 5.5801)

Have a look what the booklet for
XYZ(40.0794, 39.8534, 5.5801)
contains.

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Color

**XYZ(40.0717, 39.8377,
5.5774)**

Conversions

Conversions Part 1

Format	Color
Hex	D4A200
RGB	212, 162, 0
RGB Percent	83%, 64%, 0%
CMY	0.1686, 0.3647, 0.9999
CMYK	0.00, 0.24, 1.00, 0.17
HSL	46°, 100%, 42%
HSV	46°, 100%, 83%
XYZ	40.0717, 39.8377, 5.5774
YIQ	158.4820, 81.8020, -39.7820

Conversions

Conversions Part 2

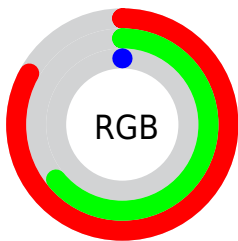
Format	Color
RYB	65, 212, 0
Decimal	13935104
CIELab	69.35, 7.01, 72.88
CIELCh	69, 73.221, 84.503
Yxy	39.8377, 0.4687, 0.4660
Android (android.graphics.Color)	4292125184 (0xFFD4A200)
YUV	158.4820, -78.1316, 46.9353
Hunter-Lab	63.1171, 2.8709, 38.9428

Details

The XYZ color **40.0717, 39.8377, 5.5774** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **13.0246, 7.0353, 62.9583**, and the grayscale version is **33.0387, 34.7593, 37.8529**.

A 20% lighter version of the original color is **67.1354, 70.9076, 17.1693**, and **18.6333, 18.0443, 2.5008** is the 20% darker color. If you saturate the color by 10%, you get **40.0719, 39.8385, 5.5776**, and if you desaturate by 10%, it is **41.1082, 41.6913, 6.6005**.

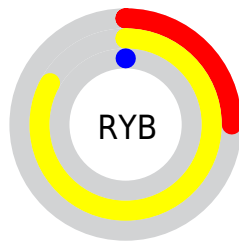
Distribution



Red (83%)

Green (64%)

Blue (0%)



Red (25%)

Yellow (83%)

Blue (0%)

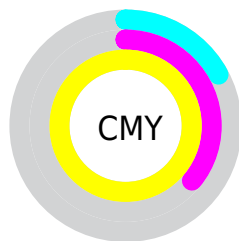


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (17%)



Cyan (17%)

Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0717, 39.8377, 5.5774 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 40.0717, 39.8377, 5.5774 by changing the saturation by 10% instead.

■ 40.0717, 39.8377,
5.5774

■ 40.0717, 39.8377,
5.5774

337.5549,
345.4390, 164.4109

■ 27.7789, 27.4120,
2.5253

■ 74.5563, 74.9163,
17.5095

■ 18.2987, 17.8829,
0.8535

■ 97.4789, 98.3380,
27.2266

■ 11.2656, 10.8660,
0.0000

■ 124.6754,
126.1939, 40.0023

■ 6.3144, 5.9768,
0.0000

■ 156.5112,
158.8683, 56.2554

■ 3.0796, 2.8310,
0.0000

■ 193.3518,
196.7456, 76.4042

■ 1.1960, 1.0441,
0.0000

■ 235.5623,

■ 0.1032, 0.0000,

240.2102, 100.8673

0.0000

283.5082,
289.6466, 130.0634

0.0000, 0.0000,
0.0000

40.0717, 39.8377,
5.5774

40.0717, 39.8377,
5.5774

40.0719, 39.8385,
5.5776

41.1082, 41.6913,
6.6005

42.3300, 43.6741,
8.4284

43.7887, 45.8089,
11.3271

45.5123, 48.1076,
15.4424

47.5246, 50.5802,
20.8974

■ 49.8463, 53.2358,
27.7999

■ 52.4963, 56.0822,
36.2468

■ 55.4916, 59.1271,
46.3265

■ 58.8481, 62.3773,
58.1208

Harmonies

Analogous

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



52.5674, 39.8377, 9.1331



40.0717, 39.8377, 5.5774



29.2408, 39.8377, 7.1092

Triad

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



40.0717, 39.8377, 5.5774



20.7935, 39.8377, 76.1525



59.4141, 39.8377, 92.8802

Complementary

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



40.0717, 39.8377, 5.5774



13.0246, 7.0353, 62.9583

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.



48.0362, 39.8377, 132.9916



40.0717, 39.8377, 5.5774



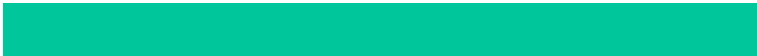
26.1958, 39.8377, 120.3269

Square

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



40.0717, 39.8377, 5.5774



19.5245, 39.8377, 37.4652



35.7400, 39.8377, 145.0151



65.1209, 39.8377, 49.8789

Rectangle

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



40.0717, 39.8377, 5.5774



24.1256, 39.8377, 11.6468



35.7400, 39.8377, 145.0151



56.0249, 39.8377, 107.8802

Sweetspot

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



40.0726, 39.8397, 5.5782



79.5984, 85.0389, 54.6020



27.7941, 14.2544, 4.6558



16.6584, 17.8007, 10.4610



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.



40.0726, 39.8397, 5.5782



60.7243, 60.2285, 8.4248



37.8420, 54.4578, 8.5173



13.2131, 14.0004, 13.1666



24.8190, 24.7551, 3.4701



1.5584, 1.6159, 0.2298

Inverse Universe

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



13.0246, 7.0353, 62.9583



19.6731, 10.4662, 95.5910



13.3524, 5.5109, 62.6468



11.9780, 12.4794, 15.7150



8.1051, 4.4719, 38.8891



0.5535, 0.3989, 2.3671

Previews

White Background



This preview shows how the XYZ color 40.0717, 39.8377, 5.5774 looks on a white background.

Color Contrast Check

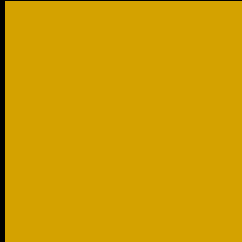
Large Text (above 18pt) WCAG AA × Fail

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 40.0717, 39.8377, 5.5774 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 40.0717, 39.8377, 5.5774

Background



This preview shows how black text looks on a background with the XYZ color 40.0717, 39.8377, 5.5774.



This preview shows how white text looks on a background with the XYZ color 40.0717, 39.8377,

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

40.0717, 39.8377, 5.5774

Protanopia

35.9210, 39.8500, 6.1152

Deuteranopia

40.8130, 39.9543, 5.7906



Tritanopia

47.1034, 39.9575, 39.4124

Trichromacy



Original Color

40.0717, 39.8377, 5.5774

Protanomaly

37.4103, 39.7949, 5.9105

Deuteranomaly

40.5038, 39.7968, 5.6904

Tritanomaly

42.7848, 39.1737, 18.1382

Monochromacy



Original Color

40.0717, 39.8377, 5.5774

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.1072, 35.2008, 17.3614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0717, 39.8377, 5.5774 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(212, 162, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 162, 0)  
}
```

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(212, 162, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 162, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.0717, 39.8377, 5.5774 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(212, 162, 0) }
```


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

```
.border{ border-color:rgb(212, 162, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 162, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 162, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 162, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 162,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0717, 39.8377, 5.5774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 162, 0) }
```

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

```
.background{ background-color: rgb(212,  
162, 0) }
```

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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