

Converting Colors

XYZ(39.6360, 40.2781, 3.7794)

Have a look what the booklet for
XYZ(39.6360, 40.2781, 3.7794)
contains.

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Color

**XYZ(39.8538, 40.2526,
5.6690)**

Conversions

Conversions Part 1

Format	Color
Hex	D2A400
RGB	210, 164, 0
RGB Percent	82%, 64%, 0%
CMY	0.1765, 0.3568, 0.9999
CMYK	0.00, 0.22, 1.00, 0.18
HSL	47°, 100%, 41%
HSV	47°, 100%, 82%
XYZ	39.8538, 40.2526, 5.6690
YIQ	159.0580, 80.0600, -41.2520

Conversions

Conversions Part 2

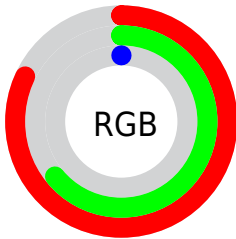
Format	Color
RYB	59, 210, 0
Decimal	13804544
CIELab	69.65, 5.06, 72.99
CIELCh	70, 73.165, 86.034
Yxy	40.2526, 0.4646, 0.4693
Android (android.graphics.Color)	4291994624 (0xFFD2A400)
YUV	159.0580, -78.4156, 44.6761
Hunter-Lab	63.4449, 1.0986, 39.1137

Details

The XYZ color **39.8538, 40.2526, 5.6690** 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 **12.6103, 6.6078, 61.5830**, and the grayscale version is **33.3049, 35.0394, 38.1579**.

A 20% lighter version of the original color is **67.9111, 72.4589, 17.4278**, and **18.4828, 18.2943, 2.5570** is the 20% darker color. If you saturate the color by 10%, you get **39.8540, 40.2534, 5.6691**, and if you desaturate by 10%, it is **40.8283, 41.9851, 6.6623**.

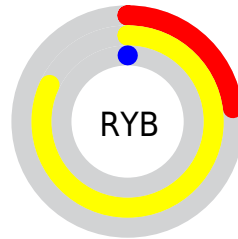
Distribution



Red (82%)

Green (64%)

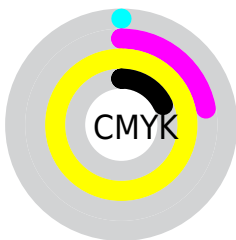
Blue (0%)



Red (23%)

Yellow (82%)

Blue (0%)

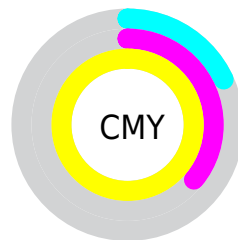


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (18%)



Cyan (18%)

Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8538, 40.2526, 5.6690 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 39.8538, 40.2526, 5.6690 by changing the saturation by 10% instead.

■ 39.8538, 40.2526,
5.6690

■ 39.8538, 40.2526,
5.6690

336.6520,
347.1871, 165.2818

■ 27.6083, 27.7355,
2.5794

■ 74.2266, 75.5480,
17.7056

■ 18.1695, 18.1264,
0.8818

■ 97.0846, 99.0952,
27.4896

■ 11.1722, 11.0408,
0.0000

■ 124.2107,
127.0878, 40.3421

■ 6.2509, 6.0943,
0.0000

■ 155.9705,
159.9103, 56.6817

■ 3.0404, 2.9025,
0.0000

■ 192.7291,
197.9471, 76.9269

■ 1.1751, 1.0810,
0.0000

■ 234.8520,

■ 0.0866, 0.0000,

241.5826, 101.4963

0.0000

282.7045,
291.2011, 130.8084

0.0000, 0.0000,
0.0000

39.8538, 40.2526,
5.6690

39.8538, 40.2526,
5.6690

39.8540, 40.2534,
5.6691

40.8283, 41.9851,
6.6623

41.9792, 43.8347,
8.4403

43.3573, 45.8238,
11.2645

44.9898, 47.9637,
15.2772

46.8999, 50.2642,
20.5986

■ 49.1077, 52.7338,
27.3340

■ 51.6316, 55.3803,
35.5779

■ 54.4881, 58.2108,
45.4168

■ 57.6928, 61.2319,
56.9305

Harmonies

Analogous

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



52.4266, 40.2526, 8.9595



39.8538, 40.2526, 5.6690



29.1184, 40.2526, 7.4851

Triad

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



39.8538, 40.2526, 5.6690



21.2437, 40.2526, 79.0892



60.3952, 40.2526, 91.2295

Complementary

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



39.8538, 40.2526, 5.6690



12.6103, 6.6078, 61.5830

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.



49.1362, 40.2526, 132.2893



39.8538, 40.2526, 5.6690



26.9055, 40.2526, 123.1003

Square

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



39.8538, 40.2526, 5.6690



19.7574, 40.2526, 39.4752



36.7071, 40.2526, 146.2320



65.7334, 40.2526, 48.4901

Rectangle

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



39.8538, 40.2526, 5.6690



24.1111, 40.2526, 12.3749



36.7071, 40.2526, 146.2320



57.0774, 40.2526, 106.3935

Sweetspot

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



39.8547, 40.2546, 5.6698



79.9718, 85.7858, 54.7265



27.1329, 13.9237, 4.1645



16.7483, 17.9805, 10.4909



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.



39.8547, 40.2546, 5.6698



61.6972, 62.1745, 8.7491



36.3735, 52.9631, 8.3063



12.5746, 13.3399, 12.5241



24.3875, 24.7080, 3.4838



1.4193, 1.4930, 0.2134

Inverse Universe

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



12.6103, 6.6078, 61.5830



19.4571, 10.0341, 95.5190



13.2644, 5.4945, 61.3336



11.3707, 11.8316, 14.9281



7.7532, 4.1530, 37.5855



0.4938, 0.3527, 2.1216

Previews

White Background



This preview shows how the XYZ color 39.8538, 40.2526, 5.6690 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 39.8538, 40.2526, 5.6690 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 39.8538, 40.2526, 5.6690

Background



This preview shows how black text looks on a background with the XYZ color 39.8538, 40.2526, 5.6690.



This preview shows how white text looks on a background with the XYZ color 39.8538, 40.2526,

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

39.8538, 40.2526, 5.6690

Protanopia

36.3559, 40.3542, 6.1601

Deuteranopia

41.2996, 40.4638, 5.9502



Tritanopia

46.8425, 40.0422, 40.3820

Trichromacy



Original Color

39.8538, 40.2526, 5.6690

Protanomaly

37.5887, 40.1605, 5.9429

Deuteranomaly

40.8671, 40.5059, 5.8655

Tritanomaly

42.4115, 39.2235, 18.4323

Monochromacy



Original Color

39.8538, 40.2526, 5.6690

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.4539, 35.8943, 17.4770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8538, 40.2526, 5.6690 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(210, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(210, 164, 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(210, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 164, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.8538, 40.2526, 5.6690 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(210, 164, 0) }
```


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

```
.border{ border-color:rgb(210, 164, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 164, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(210, 164,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8538, 40.2526, 5.6690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 164, 0) }
```

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

```
.background{ background-color: rgb(210,  
164, 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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