

Converting Colors

XYZ(44.5147, 40.8241, 5.5337)

Have a look what the booklet for
XYZ(44.5147, 40.8241, 5.5337)
contains.

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Color

**XYZ(44.3701, 40.7720,
5.5312)**

Conversions

Conversions Part 1

Format	Color
Hex	E59D00
RGB	229, 157, 0
RGB Percent	90%, 62%, 0%
CMY	0.1020, 0.3843, 0.9999
CMYK	0.00, 0.31, 1.00, 0.10
HSL	41°, 100%, 45%
HSV	41°, 100%, 90%
XYZ	44.3701, 40.7720, 5.5312
YIQ	160.6300, 93.3090, -33.5630

Conversions

Conversions Part 2

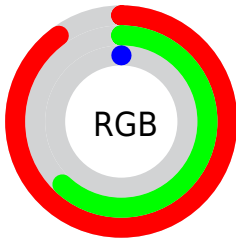
Format	Color
RYB	105, 229, 0
Decimal	15047936
CIELab	70.02, 17.11, 74.23
CIElCh	70, 76.179, 77.018
Yxy	40.7720, 0.4893, 0.4497
Android (android.graphics.Color)	4293238016 (0xFFE59D00)
YUV	160.6300, -79.1906, 59.9605
Hunter-Lab	63.8530, 12.2933, 39.5611

Details

The XYZ color **44.3701, 40.7720, 5.5312** 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 **16.4607, 10.2927, 75.2473**, and the grayscale version is **34.0317, 35.8040, 38.9906**.

A 20% lighter version of the original color is **65.8738, 68.3844, 16.7488**, and **21.0904, 18.5236, 2.4638** is the 20% darker color. If you saturate the color by 10%, you get **44.3702, 40.7726, 5.5313**, and if you desaturate by 10%, it is **45.7790, 43.3442, 6.7595**.

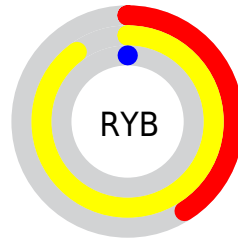
Distribution



Red (90%)

Green (62%)

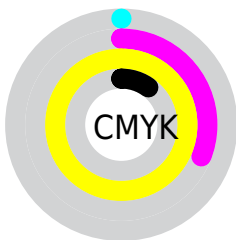
Blue (0%)



Red (41%)

Yellow (90%)

Blue (0%)

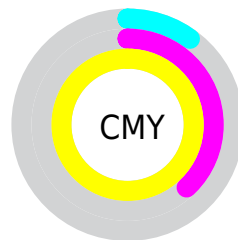


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3701, 40.7720, 5.5312 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 44.3701, 40.7720, 5.5312 by changing the saturation by 10% instead.

44.3701, 40.7720,
5.5312

44.3701, 40.7720,
5.5312

355.0432,
349.3668, 163.9692

31.1607, 28.1410,
2.4980

81.0173, 76.3377,
17.4104

20.8737, 18.4320,
0.8391

105.1858,
100.0411, 27.0935

13.1436, 11.2606,
0.0000

133.7380,
128.2041, 39.8303

7.6052, 6.2424,
0.0000

167.0394,
161.2111, 56.0394

3.8931, 2.9930,
0.0000

205.4553,
199.4465, 76.1392

1.6418, 1.1281,
0.0000

249.3509,

0.4194, 0.0018,

243.2946, 100.5485

0.0000

299.0918,
293.1399, 129.6856

0.0000, 0.0000,
0.0000

44.3701, 40.7720,
5.5312

44.3701, 40.7720,
5.5312

44.3702, 40.7726,
5.5313

45.7790, 43.3442,
6.7595

47.4420, 46.1331,
8.9696

49.4193, 49.1663,
12.4690

51.7457, 52.4597,
17.4352

54.4505, 56.0266,
24.0175

■ 57.5596, 59.8793,
32.3466

■ 61.0963, 64.0287,
42.5400

■ 65.0820, 68.4851,
54.7047

■ 69.5363, 73.2579,
68.9395

Harmonies

Analogous

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



57.4259, 40.7720, 10.7975



44.3701, 40.7720, 5.5312



32.1733, 40.7720, 5.8482

Triad

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



44.3701, 40.7720, 5.5312



20.1050, 40.7720, 67.5771



58.9862, 40.7720, 109.2745

Complementary

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



44.3701, 40.7720, 5.5312



16.4607, 10.2927, 75.2473

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.



46.1726, 40.7720, 147.2008



44.3701, 40.7720, 5.5312



24.6418, 40.7720, 115.6046

Square

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



44.3701, 40.7720, 5.5312



19.8252, 40.7720, 30.7309



33.6304, 40.7720, 149.9914



67.0007, 40.7720, 61.6033

Rectangle

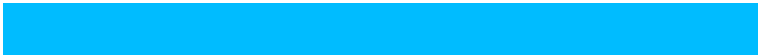
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.3701, 40.7720, 5.5312



26.0765, 40.7720, 9.1112



33.6304, 40.7720, 149.9914



54.9868, 40.7720, 124.4818

Sweetspot

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



44.3710, 40.7741, 5.5320



77.8877, 81.6175, 54.0318



33.4999, 17.1329, 7.7625



16.2477, 16.9793, 10.3241



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.



44.3710, 40.7741, 5.5320



56.5366, 51.8533, 7.0289



48.5172, 66.6053, 10.2994



15.1994, 16.0127, 15.1941



25.4813, 23.5368, 3.2000



1.9653, 1.9039, 0.2639

Inverse Universe

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



16.4607, 10.2927, 75.2473



20.9312, 12.9825, 96.0104



15.0975, 6.1495, 74.5194



13.9507, 14.6229, 18.2315



9.5062, 6.0745, 43.0546



0.7833, 0.6106, 3.2085

Previews

White Background



This preview shows how the XYZ color 44.3701, 40.7720, 5.5312 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 44.3701, 40.7720, 5.5312 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 44.3701, 40.7720, 5.5312

Background



This preview shows how black text looks on a background with the XYZ color 44.3701, 40.7720, 5.5312.



This preview shows how white text looks on a background with the XYZ color 44.3701, 40.7720,

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

44.3701, 40.7720, 5.5312

Protanopia

37.0869, 41.0089, 6.4128

Deuteranopia

41.7125, 40.9461, 5.7049



Tritanopia

50.9568, 40.8250, 37.0926

Trichromacy



Original Color

44.3701, 40.7720, 5.5312

Protanomaly

39.6056, 40.9247, 6.0990

Deuteranomaly

42.5637, 40.8619, 5.6438

Tritanomaly

46.8109, 40.0564, 17.3211

Monochromacy



Original Color

44.3701, 40.7720, 5.5312

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.2188, 36.5400, 17.7671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3701, 40.7720, 5.5312 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(229, 157, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 157, 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(229, 157, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 157, 0) }
```

Border

The CSS property to change the border of an element to XYZ 44.3701, 40.7720, 5.5312 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(229, 157, 0) }
```


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

```
.border{ border-color:rgb(229, 157, 0) }
```

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

Here you see how a box with a 4 pixel rgb(229, 157, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 157, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 157, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 157,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3701, 40.7720, 5.5312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 157, 0) }
```

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

```
.background{ background-color: rgb(229,  
157, 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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