

Converting Colors

XYZ(40.7729, 34.5430, 4.5185)

Have a look what the booklet for
XYZ(40.7729, 34.5430, 4.5185)
contains.

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Color

**XYZ(40.7670, 34.5079,
4.5120)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E38A00 |
| RGB | 227, 138, 0 |
| RGB Percent | 89%, 54%, 0% |
| CMY | 0.1098, 0.4588, 1.0000 |
| CMYK | 0.00, 0.39, 1.00, 0.11 |
| HSL | 36°, 100%, 45% |
| HSV | 36°, 100%, 89% |
| XYZ | 40.7670, 34.5079, 4.5120 |
| YIQ | 148.8790, 97.3420, -24.0500 |

Conversions

Conversions Part 2

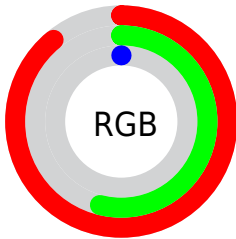
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 146, 227, 0 |
| Decimal | 14912000 |
| CIE _{Lab} | 65.36, 26.37, 71.07 |
| CIE _{LCh} | 65, 75.806, 69.645 |
| Yxy | 34.5079, 0.5109, 0.4325 |
| Android (android.graphics.Color) | 4293102080 (0xFFE38A00) |
| YUV | 148.8790, -73.3973, 68.5121 |
| Hunter-Lab | 58.7434, 21.0752, 36.5664 |

Details

The XYZ color **40.7670, 34.5079, 4.5120** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **17.4376, 12.6911, 74.2028**, and the grayscale version is **28.7879, 30.2871, 32.9827**.

A 20% lighter version of the original color is **61.2922, 59.4403, 14.5460**, and **19.0068, 14.9788, 1.8894** is the 20% darker color. If you saturate the color by 10%, you get **40.7672, 34.5086, 4.5122**, and if you desaturate by 10%, it is **42.2492, 37.2298, 5.7547**.

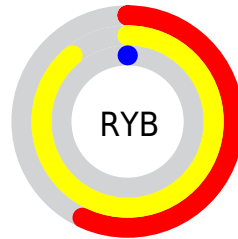
Distribution



Red (89%)

Green (54%)

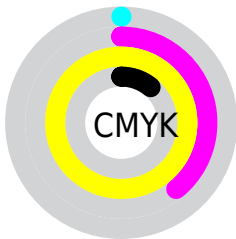
Blue (0%)



Red (57%)

Yellow (89%)

Blue (0%)

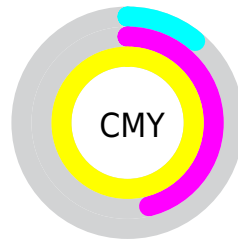


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7670, 34.5079, 4.5120 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 40.7670, 34.5079, 4.5120 by changing the saturation by 10% instead.


 40.7670, 34.5079,
4.5120


 40.7670, 34.5079,
4.5120

340.4251,
322.3909, 153.7568


 28.3239, 23.2841,
1.9102


 75.6070, 66.7227,
15.1744


 18.7117, 14.8034,
0.4992


 98.7347, 88.4825,
24.0720

 11.5649, 8.6815,
0.0000


 126.1546,
114.5230, 35.9054

 6.5182, 4.5340,
0.0000

 158.2321,
145.2287, 51.0930

 3.2063, 1.9766,
0.0000

 195.3325,
180.9839, 70.0534


 1.2638, 0.5938,
0.0000

 237.8212,


 0.1559, 0.0000,


222.1731, 93.2051


0.0000


 286.0637,
269.1806, 120.9667


 0.0000, 0.0000,
0.0000


 40.7670, 34.5079,
4.5120


 40.7670, 34.5079,
4.5120

 40.7672, 34.5086,
4.5122

 42.2492, 37.2298,
5.7547

 44.0158, 40.2353,
7.9705

 46.1271, 43.5536,
11.4619

 48.6182, 47.2026,
16.4030

 51.5192, 51.1976,
22.9403

■ 54.8562, 55.5525,
31.2020

■ 58.6531, 60.2803,
41.3034

■ 62.9318, 65.3929,
53.3496

■ 67.7126, 70.9015,
67.4376

Harmonies

Analogous

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



52.0530, 34.5079, 10.5691



40.7670, 34.5079, 4.5120



29.3629, 34.5079, 3.8330

Triad

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



40.7670, 34.5079, 4.5120



15.9815, 34.5079, 48.7302



48.3262, 34.5079, 106.7000

Complementary

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



40.7670, 34.5079, 4.5120



17.4376, 12.6911, 74.2028

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.



36.4927, 34.5079, 135.2976



40.7670, 34.5079, 4.5120



18.9961, 34.5079, 91.3760

Square

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



40.7670, 34.5079, 4.5120



16.6262, 34.5079, 20.1187



25.9429, 34.5079, 128.5013



57.0534, 34.5079, 62.9929

Rectangle

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



40.7670, 34.5079, 4.5120



23.3634, 34.5079, 5.6048



25.9429, 34.5079, 128.5013



44.4835, 34.5079, 119.2678

Sweetspot

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



40.7678, 34.5097, 4.5126



76.2535, 78.3492, 53.4871



33.5583, 17.0829, 11.3822



15.8575, 16.1989, 10.1940



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.



40.7678, 34.5097, 4.5126



52.9657, 44.7115, 5.8386



52.4530, 67.8174, 10.3258



15.1025, 15.8189, 15.1618



23.8924, 20.3590, 2.6704



1.8554, 1.6841, 0.2273

Inverse Universe

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



17.4376, 12.6911, 74.2028



22.6046, 16.3293, 96.5682



14.2118, 5.7249, 73.0283



14.0440, 14.8094, 18.2626



10.2752, 7.6125, 43.3110



0.8476, 0.7391, 3.2300

Previews

White Background



This preview shows how the XYZ color 40.7670, 34.5079, 4.5120 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 40.7670, 34.5079, 4.5120 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 40.7670, 34.5079, 4.5120

Background



This preview shows how black text looks on a background with the XYZ color 40.7670, 34.5079, 4.5120.



This preview shows how white text looks on a background with the XYZ color 40.7670, 34.5079,

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

40.7670, 34.5079, 4.5120

Protanopia

31.4944, 34.8854, 5.6039

Deuteranopia

35.1540, 34.5507, 4.8161



Tritanopia

45.5853, 34.4291, 28.2876

Trichromacy



Original Color

40.7670, 34.5079, 4.5120

Protanomaly

34.3146, 34.3510, 5.1384

Deuteranomaly

36.8572, 34.2594, 4.6701

Tritanomaly

42.6458, 34.0301, 13.5533

Monochromacy



Original Color

40.7670, 34.5079, 4.5120

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.3224, 30.4241, 15.1008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7670, 34.5079, 4.5120 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(227, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 138, 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(227, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 138, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.7670, 34.5079, 4.5120 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(227, 138, 0) }
```


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

```
.border{ border-color:rgb(227, 138, 0) }
```

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

Here you see how a box with a 4 pixel rgb(227, 138, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 138,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7670, 34.5079, 4.5120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 138, 0) }
```

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

```
.background{ background-color: rgb(227,  
138, 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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