

Converting Colors

XYZ(40.2933, 30.4627, 5.0081)

Have a look what the booklet for
XYZ(40.2933, 30.4627, 5.0081)
contains.

XYZ(40.4354, 30.6110, 5.0056)	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(40.4354, 30.6110,
5.0056)**

Conversions

Conversions Part 1

Format	Color
Hex	E9771E
RGB	233, 119, 30
RGB Percent	91%, 47%, 12%
CMY	0.0863, 0.5333, 0.8823
CMYK	0.00, 0.49, 0.87, 0.09
HSL	26°, 82%, 52%
HSV	26°, 87%, 91%
XYZ	40.4354, 30.6110, 5.0056
YIQ	142.9400, 96.5130, -3.5110

Conversions

Conversions Part 2

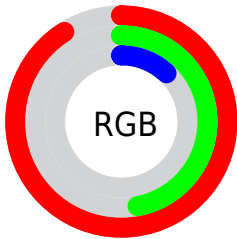
Format	Color
R _{YB}	233, 188, 30
Decimal	15300382
CIE Lab	62.18, 39.08, 63.14
CIE LCh	62, 74.256, 58.249
Yxy	30.6110, 0.5317, 0.4025
Android (android.graphics.Color)	4293490462 (0xFFE9771E)
YUV	142.9400, -55.6794, 78.9826
Hunter-Lab	55.3272, 33.6325, 33.3649

Details

The XYZ color **40.4354, 30.6110, 5.0056** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **25.2158, 26.1041, 80.7997**, and the grayscale version is **26.2738, 27.6421, 30.1022**.

A 20% lighter version of the original color is **57.8233, 51.8030, 15.5457**, and **18.6447, 12.6803, 1.4649** is the 20% darker color. If you saturate the color by 10%, you get **38.7869, 27.6305, 3.4814**, and if you desaturate by 10%, it is **42.5172, 34.1107, 7.7479**.

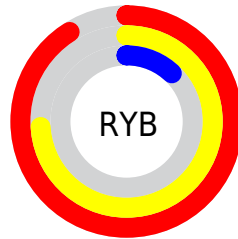
Distribution



Red (91%)

Green (47%)

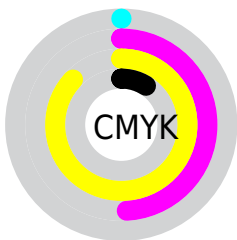
Blue (12%)



Red (91%)

Yellow (74%)

Blue (12%)

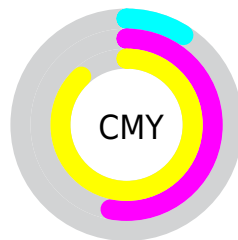


Cyan (0%)

Magenta (49%)

Yellow (87%)

Black (9%)



Cyan (9%)


Magenta (53%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4354, 30.6110, 5.0056 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 40.4354, 30.6110, 5.0056 by changing the saturation by 10% instead.


 40.4354, 30.6110,
5.0056


 40.4354, 30.6110,
5.0056


339.0583,
304.7422, 158.8211

 28.0639, 20.3028,
2.1917


 75.1062, 60.6271,
16.2696


 18.5145, 12.6154,
0.6696


 98.1362, 81.1038,
25.5568


 11.4219, 7.1642,
0.0000


 125.4498,
105.7388, 37.8389

 6.4208, 3.5650,
0.0000

 157.4123,
134.9165, 53.5343

 3.1457, 1.4333,
0.0000

 194.3890,
169.0213, 73.0618

 1.2313, 0.2411,
0.0000

 236.7454,

 0.1308, 0.0000,

208.4376, 96.8397

0.0000

284.8467,
253.5498, 125.2866

■ 0.0000, 0.0000,
0.0000

■ 40.4354, 30.6110,
5.0056

■ 40.4354, 30.6110,
5.0056

■ 38.7869, 27.6305,
3.4814

■ 42.5172, 34.1107,
7.7479

■ 38.3710, 26.8576,
3.1617

■ 45.0818, 38.1582,
11.9371

■ 48.1707, 42.7840,
17.7512

■ 51.8197, 48.0143,
25.3420

■ 56.0609, 53.8733,
34.8435

60.9236, 60.3834,
46.3765

66.4349, 67.5660,
60.0521

72.6203, 75.4413,
75.9730

79.5036, 84.0285,
94.2353

Harmonies

Analogous

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



49.5399, 30.6110, 13.4655



40.4354, 30.6110, 5.0056



29.6865, 30.6110, 3.0242

Triad

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



40.4354, 30.6110, 5.0056



13.7933, 30.6110, 31.6752



39.1809, 30.6110, 109.2119

Complementary

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



40.4354, 30.6110, 5.0056



25.2158, 26.1041, 80.7997

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.



28.5111, 30.6110, 124.2723



40.4354, 30.6110, 5.0056



15.2277, 30.6110, 66.7911

Square

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



40.4354, 30.6110, 5.0056



15.6126, 30.6110, 11.9343



20.1017, 30.6110, 105.5407



48.7066, 30.6110, 71.5329

Rectangle

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



40.4354, 30.6110, 5.0056



23.4778, 30.6110, 3.6130



20.1017, 30.6110, 105.5407



35.5431, 30.6110, 117.7885

Sweetspot

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



40.4361, 30.6127, 5.0061



75.4044, 74.9444, 58.4650



39.1818, 20.2976, 28.6546



15.6702, 15.4201, 11.3776



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.



40.4361, 30.6127, 5.0061



47.0128, 32.8055, 3.8543



59.2916, 68.3238, 11.2913



15.6089, 16.1408, 15.8115



21.8914, 15.4770, 1.8336



1.8133, 1.4039, 0.1754

Inverse Universe

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



25.2158, 26.1041, 80.7997



27.9017, 26.9233, 98.3339



16.1269, 7.9262, 77.7700



14.9329, 15.9523, 19.2143



13.0644, 12.7759, 45.5204



1.1214, 1.1943, 3.6063

Previews

White Background



This preview shows how the XYZ color 40.4354, 30.6110, 5.0056 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 40.4354, 30.6110, 5.0056 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 40.4354, 30.6110, 5.0056

Background



This preview shows how black text looks on a background with the XYZ color 40.4354, 30.6110, 5.0056.



This preview shows how white text looks on a background with the XYZ color 40.4354, 30.6110,

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

40.4354, 30.6110, 5.0056

Protanopia

27.7786, 30.7082, 6.2969

Deuteranopia

31.3631, 30.7432, 4.5682



Tritanopia

43.9393, 30.7053, 21.0636

Trichromacy



Original Color

40.4354, 30.6110, 5.0056

Protanomaly

31.2742, 29.7931, 5.6924

Deuteranomaly

34.0799, 30.2125, 4.5657

Tritanomaly

42.3297, 30.5556, 12.6836

Monochromacy



Original Color

40.4354, 30.6110, 5.0056

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

28.8279, 27.2396, 16.3087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4354, 30.6110, 5.0056 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(233, 119, 30)` looks like.

```
.text, #text, p{  
    color:rgb(233, 119, 30)  
}
```

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(233, 119, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 119, 30) }
```

Border

The CSS property to change the border of an element to XYZ 40.4354, 30.6110, 5.0056 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(233, 119, 30) }
```


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

```
.border{ border-color:rgb(233, 119, 30) }
```

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

Here you see how a box with a 4 pixel rgb(233, 119, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 119, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 119, 30);  
box-shadow:4px 4px 4px 4px rgb(233, 119,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4354, 30.6110, 5.0056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 119, 30) }
```

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

```
.background{ background-color: rgb(233,  
119, 30) }
```

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