

Converting Colors

XYZ(40.7595, 33.3136, 4.2819)

Have a look what the booklet for
XYZ(40.7595, 33.3136, 4.2819)
contains.

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Color

**XYZ(40.5644, 33.1605,
4.2626)**

Conversions

Conversions Part 1

Format	Color
Hex	E58400
RGB	229, 132, 0
RGB Percent	90%, 52%, 0%
CMY	0.1020, 0.4823, 1.0000
CMYK	0.00, 0.42, 1.00, 0.10
HSL	35°, 100%, 45%
HSV	35°, 100%, 90%
XYZ	40.5644, 33.1605, 4.2626
YIQ	145.9550, 100.1840, -20.4880

Conversions

Conversions Part 2

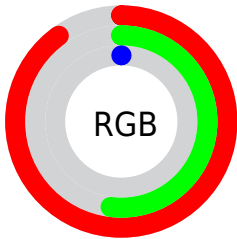
Format	Color
RYB	168, 229, 0
Decimal	15041536
CIELab	64.29, 30.37, 70.52
CIELCh	64, 76.783, 66.702
Yxy	33.1605, 0.5201, 0.4252
Android (android.graphics.Color)	4293231616 (0xFFE58400)
YUV	145.9550, -71.9558, 72.8305
Hunter-Lab	57.5852, 24.9658, 35.9208

Details

The XYZ color **40.5644, 33.1605, 4.2626** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **18.4177, 14.2068, 75.8998**, and the grayscale version is **27.5614, 28.9968, 31.5775**.

A 20% lighter version of the original color is **59.9686, 56.8457, 13.9425**, and **18.9536, 14.2501, 1.7516** is the 20% darker color. If you saturate the color by 10%, you get **40.5646, 33.1612, 4.2628**, and if you desaturate by 10%, it is **42.0960, 35.9781, 5.5316**.

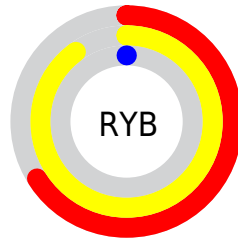
Distribution



Red (90%)

Green (52%)

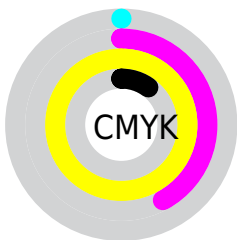
Blue (0%)



Red (66%)

Yellow (90%)

Blue (0%)

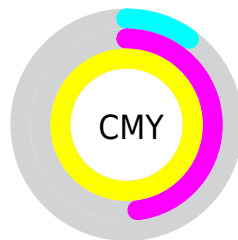


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (48%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5644, 33.1605, 4.2626 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 40.5644, 33.1605, 4.2626 by changing the saturation by 10% instead.


 40.5644, 33.1605,
4.2626


 40.5644, 33.1605,
4.2626

339.5905,
316.3723, 151.1009


 28.1650, 22.2494,
1.7705


 75.3011, 64.6260,
14.6110

 18.5912, 14.0403,
0.4084


 98.3691, 85.9493,
23.3044

 11.4775, 8.1487,
0.0000


 125.7241,
111.5120, 34.9019

 6.4586, 4.1902,
0.0000

 157.7314,
141.6987, 49.8221

 3.1692, 1.7805,
0.0000

 194.7563,
176.8937, 68.4836


 1.2439, 0.4750,
0.0000

 237.1642,


 0.1406, 0.0000,


217.4813, 91.3049


0.0000


 285.3205,
263.8461, 118.7045


 0.0000, 0.0000,
0.0000


 40.5644, 33.1605,
4.2626


 40.5644, 33.1605,
4.2626


 40.5646, 33.1612,
4.2628

 42.0960, 35.9781,
5.5316

 43.9343, 39.1178,
7.7999

 46.1414, 42.6106,
11.3757

 48.7538, 46.4761,
16.4369

 51.8026, 50.7312,
23.1335

■ 55.3154, 55.3914,
31.5969

■ 59.3172, 60.4710,
41.9450

■ 63.8308, 65.9833,
54.2853

■ 68.8774, 71.9409,
68.7172

Harmonies

Analogous

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



51.5065, 33.1605, 10.7868



40.5644, 33.1605, 4.2626



29.1325, 33.1605, 3.2712

Triad

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



40.5644, 33.1605, 4.2626



14.9370, 33.1605, 43.5819



45.7918, 33.1605, 108.8710

Complementary

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



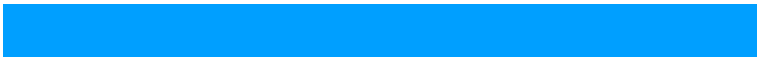
40.5644, 33.1605, 4.2626



18.4177, 14.2068, 75.8998

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.



34.0304, 33.1605, 134.6808



40.5644, 33.1605, 4.2626



17.5132, 33.1605, 85.2318

Square

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



40.5644, 33.1605, 4.2626



15.9100, 33.1605, 17.1757



23.9278, 33.1605, 124.1719



54.9786, 33.1605, 65.4620

Rectangle

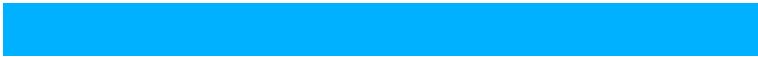
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.5644, 33.1605, 4.2626



23.0000, 33.1605, 4.6361



23.9278, 33.1605, 124.1719



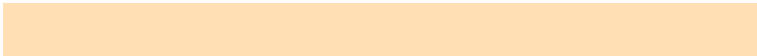
41.9157, 33.1605, 120.7662

Sweetspot

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



40.5651, 33.1623, 4.2632



75.6064, 77.0548, 53.2714



34.5765, 17.5635, 13.4318



15.7036, 15.8911, 10.1427



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.



40.5651, 33.1623, 4.2632



51.6722, 42.1245, 5.4074



55.6730, 70.2944, 10.6341



15.0634, 15.7408, 15.1488



23.3147, 19.2035, 2.4778



1.8144, 1.6022, 0.2136

Inverse Universe

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



18.4177, 14.2068, 75.8998



23.4136, 17.9471, 96.8379



14.3444, 5.7612, 74.4843



14.0821, 14.8856, 18.2753



10.6436, 8.3493, 43.4338



0.8769, 0.7977, 3.2397

Previews

White Background



This preview shows how the XYZ color 40.5644, 33.1605, 4.2626 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 40.5644, 33.1605, 4.2626 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 40.5644, 33.1605, 4.2626

Background



This preview shows how black text looks on a background with the XYZ color 40.5644, 33.1605, 4.2626.



This preview shows how white text looks on a background with the XYZ color 40.5644, 33.1605,

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

40.5644, 33.1605, 4.2626

Protanopia

30.0706, 33.3877, 5.4318

Deuteranopia

33.8786, 33.1856, 4.6199



Tritanopia

45.1795, 33.3243, 25.8808

Trichromacy



Original Color

40.5644, 33.1605, 4.2626

Protanomaly

33.1560, 32.8061, 4.9013

Deuteranomaly

35.9675, 32.9013, 4.4549

Tritanomaly

42.3398, 32.7176, 12.4711

Monochromacy



Original Color

40.5644, 33.1605, 4.2626

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.4052, 29.0702, 14.4172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5644, 33.1605, 4.2626 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, 132, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 132, 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, 132, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 132, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.5644, 33.1605, 4.2626 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, 132, 0) }
```


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

```
.border{ border-color:rgb(229, 132, 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, 132, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 132, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 132, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 132,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5644, 33.1605, 4.2626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 132, 0) }
```

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

```
.background{ background-color: rgb(229,  
132, 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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