

Converting Colors

XYZ(41.7631, 33.3312, 5.2453)

Have a look what the booklet for
XYZ(41.7631, 33.3312, 5.2453)
contains.

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Color

**XYZ(41.7847, 33.3680,
5.2753)**

Conversions

Conversions Part 1

Format	Color
Hex	E9821B
RGB	233, 130, 27
RGB Percent	91%, 51%, 11%
CMY	0.0863, 0.4902, 0.8941
CMYK	0.00, 0.44, 0.88, 0.09
HSL	30°, 82%, 51%
HSV	30°, 88%, 91%
XYZ	41.7847, 33.3680, 5.2753
YIQ	149.0550, 94.4510, -10.1970

Conversions

Conversions Part 2

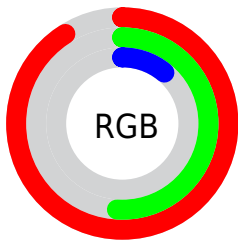
Format	Color
RYB	233, 233, 27
Decimal	15303195
CIELab	64.46, 33.39, 65.81
CIELCh	64, 73.793, 63.101
Yxy	33.3680, 0.5195, 0.4149
Android (android.graphics.Color)	4293493275 (0xFFE9821B)
YUV	149.0550, -60.1731, 73.6198
Hunter-Lab	57.7650, 28.0303, 35.0210

Details

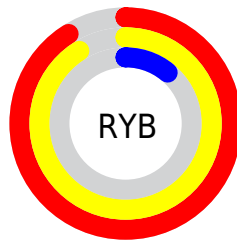
The XYZ color **41.7847, 33.3680, 5.2753** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **23.1422, 22.0807, 80.1324**, and the grayscale version is **28.8089, 30.3092, 33.0067**.

A 20% lighter version of the original color is **59.9807, 56.1811, 16.0702**, and **19.5906, 14.2499, 1.7180** is the 20% darker color. If you saturate the color by 10%, you get **40.1449, 30.3729, 3.8531**, and if you desaturate by 10%, it is **43.8083, 36.8003, 7.8464**.

Distribution



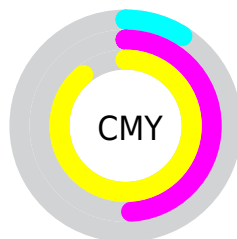
- Red (91%)
- Green (51%)
- Blue (11%)



- Red (91%)
- Yellow (91%)
- Blue (11%)



- Cyan (0%)
- Magenta (44%)
- Yellow (88%)
- Black (9%)





- Cyan (9%)
- Magenta (49%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7847, 33.3680, 5.2753 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 41.7847, 33.3680, 5.2753 by changing the saturation by 10% instead.


 41.7847, 33.3680,
5.2753


 41.7847, 33.3680,
5.2753


344.5965,
317.3047, 161.4918


 29.1231, 22.4085,
2.3481


 77.1409, 64.9496,
16.8580

 19.3187, 14.1574,
0.7580


 100.5662, 86.3406,
26.3506

 12.0062, 8.2302,
0.0000


 128.3101,
111.9775, 38.8687

 6.8201, 4.2426,
0.0000

 160.7380,
142.2447, 54.8310

 3.3952, 1.8102,
0.0000

 198.2153,
177.5266, 74.6559

 1.3660, 0.4935,
0.0000

 241.1072,

 0.2318, 0.0000,

218.2077, 98.7620

0.0000

289.7791,
264.6722, 127.5678

■ 0.0000, 0.0000,
0.0000

■ 41.7847, 33.3680,
5.2753

■ 41.7847, 33.3680,
5.2753

■ 40.1449, 30.3729,
3.8531

■ 43.8083, 36.8003,
7.8464

■ 39.9078, 29.9311,
3.6739

■ 46.2681, 40.6953,
11.8254

■ 49.2043, 45.0789,
17.3937

■ 52.6507, 49.9728,
24.7052

■ 56.6378, 55.3970,
33.8950

61.1929, 61.3701,
45.0849

66.3415, 67.9094,
58.3863

72.1073, 75.0316,
73.9022

78.5127, 82.7523,
91.7291

Harmonies

Analogous

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



51.8777, 33.3680, 12.9755



41.7847, 33.3680, 5.2753



30.6326, 33.3680, 3.7438

Triad

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



41.7847, 33.3680, 5.2753



15.4906, 33.3680, 39.5599



44.1063, 33.3680, 109.7634

Complementary

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



41.7847, 33.3680, 5.2753



23.1422, 22.0807, 80.1324

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.



32.8232, 33.3680, 130.4272



41.7847, 33.3680, 5.2753



17.5990, 33.3680, 78.0866

Square

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



41.7847, 33.3680, 5.2753



16.8697, 33.3680, 15.9070



23.4094, 33.3680, 116.4500



53.4132, 33.3680, 69.3834

Rectangle

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



41.7847, 33.3680, 5.2753



24.4166, 33.3680, 4.8393



23.4094, 33.3680, 116.4500



40.3403, 33.3680, 120.0159

Sweetspot

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



41.7854, 33.3698, 5.2759



75.8637, 76.3012, 57.2672



38.0254, 19.7193, 22.9219



15.8034, 15.7702, 11.1637



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.



41.7854, 33.3698, 5.2759



48.8949, 36.5698, 4.4816



62.9405, 75.6800, 12.3276



15.6878, 16.2985, 15.8378



22.7688, 17.2318, 2.1260



1.8841, 1.5455, 0.1990

Inverse Universe

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



23.1422, 22.0807, 80.1324



25.7033, 22.5266, 97.6011



15.5520, 6.9003, 77.6023



14.8534, 15.7933, 19.1878



12.0459, 10.7387, 45.1809



1.0421, 1.0357, 3.5799

Previews

White Background



This preview shows how the XYZ color 41.7847, 33.3680, 5.2753 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 41.7847, 33.3680, 5.2753 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 41.7847, 33.3680, 5.2753

Background



This preview shows how black text looks on a background with the XYZ color 41.7847, 33.3680, 5.2753.



This preview shows how white text looks on a background with the XYZ color 41.7847, 33.3680,

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

41.7847, 33.3680, 5.2753

Protanopia

30.2502, 33.4595, 6.3774

Deuteranopia

34.0690, 33.5138, 4.8455



Tritanopia

45.7917, 33.2910, 25.1314

Trichromacy



Original Color

41.7847, 33.3680, 5.2753

Protanomaly

33.7070, 32.8367, 5.8579

Deuteranomaly

36.6162, 33.2266, 4.8990

Tritanomaly

43.7755, 33.0385, 14.4258

Monochromacy



Original Color

41.7847, 33.3680, 5.2753

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

31.0452, 30.0692, 17.5323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7847, 33.3680, 5.2753 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, 130, 27)` looks like.

```
.text, #text, p{  
    color:rgb(233, 130, 27)  
}
```

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, 130, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 130, 27) }
```

Border

The CSS property to change the border of an element to XYZ 41.7847, 33.3680, 5.2753 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, 130, 27) }
```


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

```
.border{ border-color:rgb(233, 130, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 130, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 130, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 130, 27);  
box-shadow:4px 4px 4px 4px rgb(233, 130,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7847, 33.3680, 5.2753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 130, 27) }
```

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

```
.background{ background-color: rgb(233,  
130, 27) }
```

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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