

Converting Colors

XYZ(40.1834, 33.2413, 4.7003)

Have a look what the booklet for
XYZ(40.1834, 33.2413, 4.7003)
contains.

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Color

**XYZ(40.1453, 33.1377,
4.6958)**

Conversions

Conversions Part 1

Format	Color
Hex	E3850E
RGB	227, 133, 14
RGB Percent	89%, 52%, 5%
CMY	0.1098, 0.4784, 0.9451
CMYK	0.00, 0.41, 0.94, 0.11
HSL	34°, 88%, 47%
HSV	34°, 94%, 89%
XYZ	40.1453, 33.1377, 4.6958
YIQ	147.5400, 94.2230, -17.0810

Conversions

Conversions Part 2

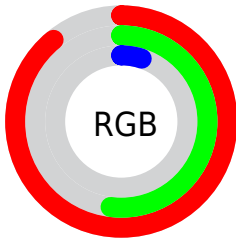
Format	Color
RYB	182, 227, 14
Decimal	14910734
CIELab	64.27, 29.15, 68.26
CIELCh	64, 74.226, 66.879
Yxy	33.1377, 0.5148, 0.4250
Android (android.graphics.Color)	4293100814 (0xFFE3850E)
YUV	147.5400, -65.8352, 69.6864
Hunter-Lab	57.5654, 23.7441, 35.4593

Details

The XYZ color **40.1453, 33.1377, 4.6958** 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 **19.4088, 16.3646, 74.8080**, and the grayscale version is **28.1958, 29.6642, 32.3043**.

A 20% lighter version of the original color is **60.3499, 57.3365, 14.9074**, and **18.6103, 14.1858, 1.7573** is the 20% darker color. If you saturate the color by 10%, you get **39.2450, 31.4644, 4.0048**, and if you desaturate by 10%, it is **41.8337, 36.1147, 6.4923**.

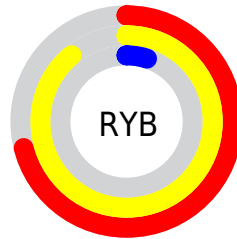
Distribution



Red (89%)

Green (52%)

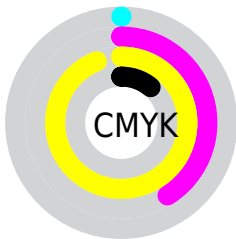
Blue (5%)



Red (71%)

Yellow (89%)

Blue (5%)

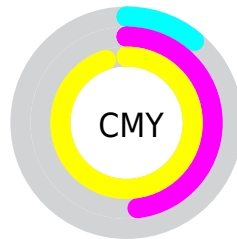


Cyan (0%)

Magenta (41%)

Yellow (94%)

Black (11%)



Cyan (11%)


Magenta (48%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1453, 33.1377, 4.6958 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 40.1453, 33.1377, 4.6958 by changing the saturation by 10% instead.


 40.1453, 33.1377,
4.6958


 40.1453, 33.1377,
4.6958

337.8595,
316.2698, 155.6709

 27.8366, 22.2320,
2.0143


 74.6677, 64.5905,
15.5851


 18.3423, 14.0274,
0.5641


 97.6120, 85.9062,
24.6300


 11.2972, 8.1397,
0.0000


 124.8322,
111.4609, 36.6331

 6.3359, 4.1845,
0.0000

 156.6937,
141.6387, 52.0130

 3.0930, 1.7773,
0.0000

 193.5619,
176.8241, 71.1882

 1.2031, 0.4730,
0.0000

 235.8020,


 0.1088, 0.0000,


217.4014, 94.5772


0.0000


 283.7794,
263.7552, 122.5986


 0.0000, 0.0000,
0.0000


 40.1453, 33.1377,
4.6958


 40.1453, 33.1377,
4.6958


 39.2450, 31.4644,
4.0048

 41.8337, 36.1147,
6.4923

 43.8763, 39.4469,
9.4949

 46.3130, 43.1570,
13.8934

 49.1764, 47.2632,
19.8438

 52.4950, 51.7820,
27.4808

■ 56.2946, 56.7286,
36.9246

■ 60.5984, 62.1169,
48.2842

■ 65.4284, 67.9604,
61.6599

■ 70.8047, 74.2715,
77.1448

Harmonies

Analogous

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



50.6521, 33.1377, 11.2526



40.1453, 33.1377, 4.6958



29.1304, 33.1377, 3.6878

Triad

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



40.1453, 33.1377, 4.6958



15.3539, 33.1377, 43.4906



45.2944, 33.1377, 105.2874

Complementary

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



40.1453, 33.1377, 4.6958



19.4088, 16.3646, 74.8080

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.



33.9871, 33.1377, 129.8496



40.1453, 33.1377, 4.6958



17.9054, 33.1377, 83.3361

Square

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



40.1453, 33.1377, 4.6958



16.2904, 33.1377, 17.7493



24.1885, 33.1377, 120.1336



54.0582, 33.1377, 64.0146

Rectangle

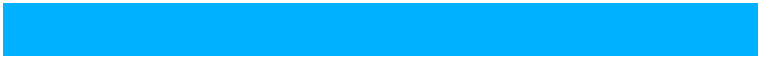
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.1453, 33.1377, 4.6958



23.1922, 33.1377, 5.1212



24.1885, 33.1377, 120.1336



41.5783, 33.1377, 116.5818

Sweetspot

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



40.1460, 33.1395, 4.6964



76.3690, 77.7423, 56.1086



34.6419, 17.7676, 16.3139



15.8348, 15.9963, 10.6713



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.



40.1460, 33.1395, 4.6964



50.9830, 40.7460, 5.1777



55.9703, 69.6215, 10.9041



15.0415, 15.6970, 15.1415



23.0062, 18.5866, 2.3750



1.7923, 1.5579, 0.2062

Inverse Universe

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



19.4088, 16.3646, 74.8080



23.9029, 18.9257, 97.0010



14.4146, 6.0626, 73.0827



14.1036, 14.9287, 18.2825



10.8657, 8.7935, 43.5078



0.8942, 0.8324, 3.2455

Previews

White Background



This preview shows how the XYZ color 40.1453, 33.1377, 4.6958 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 40.1453, 33.1377, 4.6958 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 40.1453, 33.1377, 4.6958

Background



This preview shows how black text looks on a background with the XYZ color 40.1453, 33.1377, 4.6958.



This preview shows how white text looks on a background with the XYZ color 40.1453, 33.1377,

4.6958.

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

40.1453, 33.1377, 4.6958

Protanopia

30.1161, 33.4059, 5.6713

Deuteranopia

33.8786, 33.1856, 4.6199



Tritanopia

44.7200, 33.2646, 26.2540

Trichromacy



Original Color

40.1453, 33.1377, 4.6958

Protanomaly

33.2218, 32.8324, 5.2481

Deuteranomaly

36.1443, 33.2112, 4.6490

Tritanomaly

42.0680, 32.7399, 13.7751

Monochromacy



Original Color

40.1453, 33.1377, 4.6958

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

30.2061, 29.8929, 15.9823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1453, 33.1377, 4.6958 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, 133, 14)` looks like.

```
.text, #text, p{  
    color:rgb(227, 133, 14)  
}
```

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, 133, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 133, 14) }
```

Border

The CSS property to change the border of an element to XYZ 40.1453, 33.1377, 4.6958 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, 133, 14) }
```


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

```
.border{ border-color:rgb(227, 133, 14) }
```

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

Here you see how a box with a 4 pixel rgb(227, 133, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 133, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 133, 14);  
box-shadow:4px 4px 4px 4px rgb(227, 133,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1453, 33.1377, 4.6958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 133, 14) }
```

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

```
.background{ background-color: rgb(227,  
133, 14) }
```

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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