

Converting Colors

XYZ(40.4464, 33.0202, 4.5363)

Have a look what the booklet for
XYZ(40.4464, 33.0202, 4.5363)
contains.

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Color

**XYZ(40.6191, 33.1825,
4.5512)**

Conversions

Conversions Part 1

Format	Color
Hex	E5840A
RGB	229, 132, 10
RGB Percent	90%, 52%, 4%
CMY	0.1020, 0.4823, 0.9607
CMYK	0.00, 0.42, 0.96, 0.10
HSL	33°, 92%, 47%
HSV	33°, 96%, 90%
XYZ	40.6191, 33.1825, 4.5512
YIQ	147.0950, 96.9740, -17.3780

Conversions

Conversions Part 2

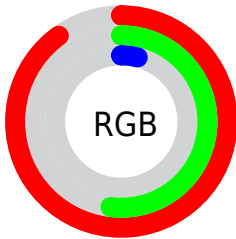
Format	Color
RYB	184, 229, 10
Decimal	15041546
CIELab	64.31, 30.46, 69.05
CIELCh	64, 75.473, 66.197
Yxy	33.1825, 0.5184, 0.4235
Android (android.graphics.Color)	4293231626 (0xFFE5840A)
YUV	147.0950, -67.5878, 71.8307
Hunter-Lab	57.6043, 25.0602, 35.6386

Details

The XYZ color **40.6191, 33.1825, 4.5512** 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 **19.5260, 16.2377, 76.2330**, and the grayscale version is **28.0169, 29.4759, 32.0993**.

A 20% lighter version of the original color is **60.1034, 56.8996, 14.6524**, and **18.9536, 14.2501, 1.7516** is the 20% darker color. If you saturate the color by 10%, you get **39.9763, 31.9850, 4.0667**, and if you desaturate by 10%, it is **42.2813, 36.1578, 6.1830**.

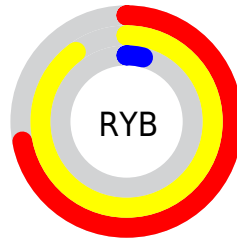
Distribution



Red (90%)

Green (52%)

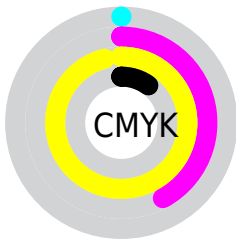
Blue (4%)



Red (72%)

Yellow (90%)

Blue (4%)

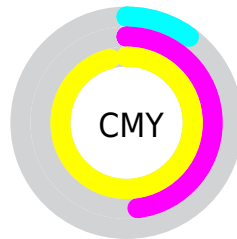


Cyan (0%)

Magenta (42%)

Yellow (96%)

Black (10%)



Cyan (10%)


Magenta (48%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6191, 33.1825, 4.5512 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 40.6191, 33.1825, 4.5512 by changing the saturation by 10% instead.


 40.6191, 33.1825,
4.5512


 40.6191, 33.1825,
4.5512


339.8160,
316.4713, 154.1680

 28.2079, 22.2663,
1.9323

 75.3837, 64.6604,
15.2623

 18.6237, 14.0527,
0.5132


 98.4678, 85.9908,
24.1916


 11.5011, 8.1573,
0.0000


 125.8404,
111.5614, 36.0614

 6.4747, 4.1958,
0.0000

 157.8666,
141.7566, 51.2904

 3.1792, 1.7837,
0.0000

 194.9119,
176.9608, 70.2970


 1.2492, 0.4770,
0.0000

 237.3417,


 0.1447, 0.0000,


217.5584, 93.4997


0.0000


 285.5213,
263.9338, 121.3172


 0.0000, 0.0000,
0.0000


 40.6191, 33.1825,
4.5512


 40.6191, 33.1825,
4.5512


 39.9763, 31.9850,
4.0667

 42.2813, 36.1578,
6.1830

 44.2977, 39.4930,
9.0054

 46.7106, 43.2123,
13.2210

 49.5544, 47.3348,
18.9942

 52.8590, 51.8776,
26.4660

■ 56.6511, 56.8566,
35.7616

■ 60.9550, 62.2862,
46.9942

■ 65.7933, 68.1804,
60.2677

■ 71.1870, 74.5521,
75.6786

Harmonies

Analogous

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



51.2878, 33.1825, 11.2653



40.6191, 33.1825, 4.5512



29.3641, 33.1825, 3.4735

Triad

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



40.6191, 33.1825, 4.5512



15.1543, 33.1825, 42.8902



45.3580, 33.1825, 107.8559

Complementary

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



40.6191, 33.1825, 4.5512



19.5260, 16.2377, 76.2330

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.



33.8186, 33.1825, 132.4444



40.6191, 33.1825, 4.5512



17.6485, 33.1825, 83.4580

Square

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



40.6191, 33.1825, 4.5512



16.1791, 33.1825, 17.1461



23.9242, 33.1825, 121.6257



54.4293, 33.1825, 65.6055

Rectangle

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



40.6191, 33.1825, 4.5512



23.2804, 33.1825, 4.8184



23.9242, 33.1825, 121.6257



41.5507, 33.1825, 119.2979

Sweetspot

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



40.6198, 33.1843, 4.5518



75.7725, 76.9720, 54.6064



35.1579, 17.9697, 15.9584



15.7182, 15.8425, 10.3878



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.



40.6198, 33.1843, 4.5518



50.9217, 40.6233, 5.1572



57.0021, 70.9730, 10.9823



15.0395, 15.6930, 15.1408



22.9787, 18.5316, 2.3659



1.7903, 1.5540, 0.2056

Inverse Universe

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



19.5260, 16.2377, 76.2330



23.9486, 19.0173, 97.0162



14.5598, 6.0334, 74.5251



14.1056, 14.9326, 18.2832



10.8865, 8.8350, 43.5147



0.8958, 0.8356, 3.2460

Previews

White Background



This preview shows how the XYZ color 40.6191, 33.1825, 4.5512 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 40.6191, 33.1825, 4.5512 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 40.6191, 33.1825, 4.5512

Background



This preview shows how black text looks on a background with the XYZ color 40.6191, 33.1825, 4.5512.



This preview shows how white text looks on a background with the XYZ color 40.6191, 33.1825,

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

40.6191, 33.1825, 4.5512

Protanopia

30.0877, 33.3946, 5.5218

Deuteranopia

33.8786, 33.1856, 4.6199



Tritanopia

45.1795, 33.3243, 25.8808

Trichromacy



Original Color

40.6191, 33.1825, 4.5512

Protanomaly

33.1891, 32.8193, 5.0757

Deuteranomaly

35.9894, 32.9101, 4.5703

Tritanomaly

42.5010, 32.7821, 13.3200

Monochromacy



Original Color

40.6191, 33.1825, 4.5512

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.9621, 29.5562, 15.4350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6191, 33.1825, 4.5512 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, 10)` looks like.

```
.text, #text, p{  
    color:rgb(229, 132, 10)  
}
```

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, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 132, 10) }
```

Border

The CSS property to change the border of an element to XYZ 40.6191, 33.1825, 4.5512 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, 10) }
```


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

```
.border{ border-color:rgb(229, 132, 10) }
```

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, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 132, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 132, 10);  
box-shadow:4px 4px 4px 4px rgb(229, 132,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6191, 33.1825, 4.5512 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, 10) }
```

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

```
.background{ background-color: rgb(229,  
132, 10) }
```

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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