

Converting Colors

XYZ(39.4824, 33.1458, 4.3185)

Have a look what the booklet for
XYZ(39.4824, 33.1458, 4.3185)
contains.

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Color

**XYZ(39.4044, 33.1752,
4.3266)**

Conversions

Conversions Part 1

Format	Color
Hex	E08700
RGB	224, 135, 0
RGB Percent	88%, 53%, 0%
CMY	0.1216, 0.4706, 1.0000
CMYK	0.00, 0.40, 1.00, 0.12
HSL	36°, 100%, 44%
HSV	36°, 100%, 88%
XYZ	39.4044, 33.1752, 4.3266
YIQ	146.2210, 96.3790, -23.1170

Conversions

Conversions Part 2

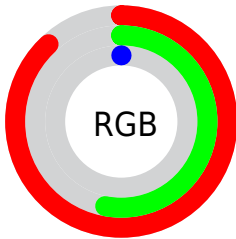
Format	Color
R_{YB}	148, 224, 0
Decimal	14714624
CIE _{Lab}	64.30, 26.69, 70.20
CIE _{LCh}	64, 75.108, 69.182
Yxy	33.1752, 0.5124, 0.4314
Android (android.graphics.Color)	4292904704 (0xFFE08700)
YUV	146.2210, -72.0870, 68.2122
Hunter-Lab	57.5979, 21.3207, 35.8648

Details

The XYZ color **39.4044, 33.1752, 4.3266** 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 **17.0271, 12.5270, 72.0409**, and the grayscale version is **27.6728, 29.1139, 31.7051**.

A 20% lighter version of the original color is **60.6073, 58.1231, 14.1554**, and **18.1488, 14.1784, 1.7802** is the 20% darker color. If you saturate the color by 10%, you get **39.4045, 33.1758, 4.3267**, and if you desaturate by 10%, it is **40.8480, 35.8248, 5.5419**.

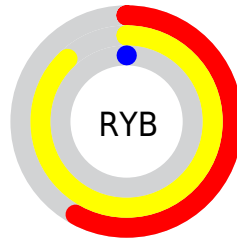
Distribution



Red (88%)

Green (53%)

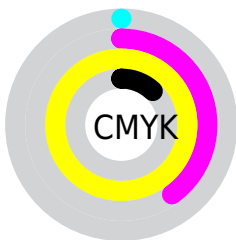
Blue (0%)



Red (58%)

Yellow (88%)

Blue (0%)

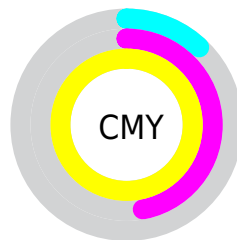


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4044, 33.1752, 4.3266 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 39.4044, 33.1752, 4.3266 by changing the saturation by 10% instead.


 39.4044, 33.1752,
4.3266


 39.4044, 33.1752,
4.3266


334.7844,
316.4385, 151.7892


 27.2566, 22.2607,
1.8062


 73.5458, 64.6490,
14.7563

 17.9036, 14.0486,
0.4320


 96.2702, 85.9770,
23.5026


 10.9801, 8.1545,
0.0000


 123.2507,
111.5450, 35.1612

 6.1206, 4.1939,
0.0000

 154.8529,
141.7374, 50.1508

 2.9599, 1.7826,
0.0000

 191.4420,
176.9385, 68.8899


 1.1326, 0.4763,
0.0000

 233.3833,


 0.0521, 0.0000,


217.5328, 91.7969


0.0000


 281.0424,
263.9047, 119.2905


 0.0000, 0.0000,
0.0000

 39.4044, 33.1752,
4.3266


 39.4044, 33.1752,
4.3266


 39.4045, 33.1758,
4.3267

 40.8480, 35.8248,
5.5419

 42.5697, 38.7541,
7.7001

 44.6281, 41.9919,
11.0963

 47.0575, 45.5556,
15.8989

 49.8868, 49.4601,
22.2494

■ 53.1416, 53.7193,
30.2722

■ 56.8451, 58.3457,
40.0788

■ 61.0184, 63.3511,
51.7708

■ 65.6814, 68.7465,
65.4424

Harmonies

Analogous

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



50.2695, 33.1752, 10.2567



39.4044, 33.1752, 4.3266



28.3688, 33.1752, 3.6195

Triad

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



39.4044, 33.1752, 4.3266



15.2992, 33.1752, 46.3379



46.3595, 33.1752, 103.5379

Complementary

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



39.4044, 33.1752, 4.3266



17.0271, 12.5270, 72.0409

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.



34.9221, 33.1752, 130.7823



39.4044, 33.1752, 4.3266



18.1471, 33.1752, 87.4458

Square

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



39.4044, 33.1752, 4.3266



15.9740, 33.1752, 18.9983



24.7849, 33.1752, 123.6426



54.8731, 33.1752, 61.3024

Rectangle

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



39.4044, 33.1752, 4.3266



22.5452, 33.1752, 5.2681



24.7849, 33.1752, 123.6426



42.6367, 33.1752, 115.5946

Sweetspot

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



39.4051, 33.1769, 4.3272



76.1450, 78.1321, 53.4509



32.5690, 16.5788, 11.0685



15.8317, 16.1472, 10.1854



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.



39.4051, 33.1769, 4.3272



52.7439, 44.2679, 5.7646



50.9045, 65.8117, 10.0203



14.3910, 15.0679, 14.4567



23.0517, 19.5414, 2.5569



1.6845, 1.5280, 0.2061

Inverse Universe

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



17.0271, 12.5270, 72.0409



22.7342, 16.5883, 96.6114



13.7945, 5.5572, 70.8660



13.3967, 14.1324, 17.4094



10.0158, 7.5012, 41.9683



0.7800, 0.6914, 2.9376

Previews

White Background



This preview shows how the XYZ color 39.4044, 33.1752, 4.3266 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 39.4044, 33.1752, 4.3266 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 39.4044, 33.1752, 4.3266

Background



This preview shows how black text looks on a background with the XYZ color 39.4044, 33.1752, 4.3266.



This preview shows how white text looks on a background with the XYZ color 39.4044, 33.1752,

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

39.4044, 33.1752, 4.3266

Protanopia

30.0626, 33.3845, 5.3897

Deuteranopia

33.8786, 33.1856, 4.6199



Tritanopia

44.1471, 33.3290, 27.0280

Trichromacy



Original Color

39.4044, 33.1752, 4.3266

Protanomaly

32.8002, 32.8565, 4.9298

Deuteranomaly

35.5546, 32.9103, 4.4784

Tritanomaly

41.2085, 32.7033, 12.9445

Monochromacy



Original Color

39.4044, 33.1752, 4.3266

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.1043, 29.1350, 14.4456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4044, 33.1752, 4.3266 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(224, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 135, 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(224, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 135, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.4044, 33.1752, 4.3266 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(224, 135, 0) }
```


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

```
.border{ border-color:rgb(224, 135, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 135, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 135,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4044, 33.1752, 4.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 135, 0) }
```

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

```
.background{ background-color: rgb(224,  
135, 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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