

Converting Colors

XYZ(43.1783, 35.6918, 4.6154)

Have a look what the booklet for
XYZ(43.1783, 35.6918, 4.6154)
contains.

XYZ(43.3494, 35.8391, 4.6329)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(43.3494, 35.8391,
4.6329)**

Conversions

Conversions Part 1

Format	Color
Hex	EB8A00
RGB	235, 138, 0
RGB Percent	92%, 54%, 0%
CMY	0.0784, 0.4588, 1.0000
CMYK	0.00, 0.41, 1.00, 0.08
HSL	35°, 100%, 46%
HSV	35°, 100%, 92%
XYZ	43.3494, 35.8391, 4.6329
YIQ	151.2710, 102.1100, -22.3540

Conversions

Conversions Part 2

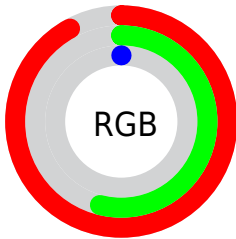
Format	Color
RYB	165, 235, 0
Decimal	15436288
CIELab	66.40, 29.72, 72.24
CIELCh	66, 78.114, 67.641
Yxy	35.8391, 0.5172, 0.4276
Android (android.graphics.Color)	4293626368 (0xFFEB8A00)
YUV	151.2710, -74.5766, 73.4303
Hunter-Lab	59.8658, 24.4885, 37.3177

Details

The XYZ color **43.3494, 35.8391, 4.6329** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **19.2705, 14.5483, 80.3890**, and the grayscale version is **29.8123, 31.3649, 34.1564**.

A 20% lighter version of the original color is **61.2922, 59.4403, 14.5460**, and **20.4215, 15.5870, 1.9323** is the 20% darker color. If you saturate the color by 10%, you get **43.3494, 35.8396, 4.6330**, and if you desaturate by 10%, it is **44.9644, 38.8138, 5.9597**.

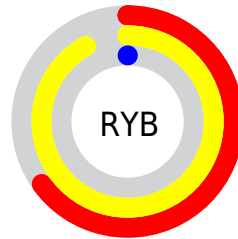
Distribution



Red (92%)

Green (54%)

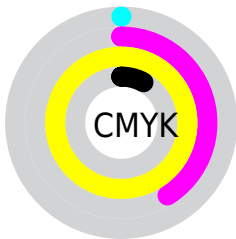
Blue (0%)



Red (65%)

Yellow (92%)

Blue (0%)

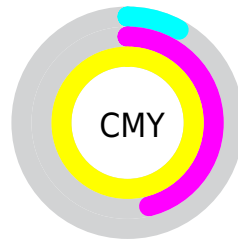


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.3494, 35.8391, 4.6329 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 43.3494, 35.8391, 4.6329 by changing the saturation by 10% instead.


 43.3494, 35.8391,
4.6329


 43.3494, 35.8391,
4.6329

350.9439,
328.2567, 155.0198


 30.3551, 24.3100,
1.9786


 79.4903, 68.7836,
15.4449


 20.2577, 15.5637,
0.5421


 103.3675, 90.9678,
24.4398


 12.6918, 9.2160,
0.0000


 131.6031,
117.4725, 36.3852

 7.2922, 4.8823,
0.0000

 164.5625,
148.6820, 51.6997

 3.6935, 2.1784,
0.0000

 202.6108,
184.9808, 70.8019


 1.5302, 0.7082,
0.0000


 246.1136,


 0.3463, 0.0000,


226.7533, 94.1103


0.0000


 295.4362,
274.3838, 122.0434


 0.0000, 0.0000,
0.0000


 43.3494, 35.8391,
4.6329


 43.3494, 35.8391,
4.6329


 43.3494, 35.8396,
4.6330

 44.9644, 38.8138,
5.9597

 46.8998, 42.1190,
8.3485

 49.2205, 45.7870,
12.1230

 51.9653, 49.8380,
17.4732

 55.1673, 54.2896,
24.5590

■ 58.8554, 59.1579,
33.5203

■ 63.0562, 64.4577,
44.4827

■ 67.7936, 70.2027,
57.5606

■ 73.0902, 76.4059,
72.8600

Harmonies

Analogous

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



55.1414, 35.8391, 11.4343



43.3494, 35.8391, 4.6329



31.1619, 35.8391, 3.6765

Triad

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



43.3494, 35.8391, 4.6329



16.2906, 35.8391, 48.2228



49.7168, 35.8391, 115.4083

Complementary

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



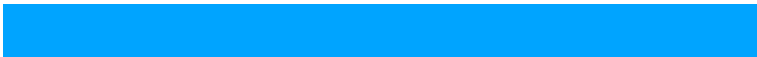
43.3494, 35.8391, 4.6329



19.2705, 14.5483, 80.3890

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.



37.1408, 35.8391, 143.9052



43.3494, 35.8391, 4.6329



19.1859, 35.8391, 93.0129

Square

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



43.3494, 35.8391, 4.6329



17.2190, 35.8391, 19.3006



26.2093, 35.8391, 133.9567



59.3651, 35.8391, 68.9885

Rectangle

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



43.3494, 35.8391, 4.6329



24.6644, 35.8391, 5.2653



26.2093, 35.8391, 133.9567



45.5916, 35.8391, 128.3322

Sweetspot

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



43.3502, 35.8410, 4.6335



75.8274, 77.4968, 53.3450



36.4617, 18.5427, 13.1936



15.7561, 15.9961, 10.1602



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.



43.3502, 35.8410, 4.6335



52.1061, 42.9922, 5.5520



57.8550, 73.9264, 11.2203



15.8006, 16.5242, 15.8754



24.2549, 20.2041, 2.6214



1.9990, 1.7754, 0.2373

Inverse Universe

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



19.2705, 14.5483, 80.3890



23.1273, 17.3747, 96.7424



15.2757, 6.1429, 78.9771



14.7419, 15.5702, 19.1506



10.8434, 8.3338, 44.7800



0.9442, 0.8399, 3.5472

Previews

White Background



This preview shows how the XYZ color 43.3494, 35.8391, 4.6329 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 43.3494, 35.8391, 4.6329 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 43.3494, 35.8391, 4.6329

Background



This preview shows how black text looks on a background with the XYZ color 43.3494, 35.8391, 4.6329.



This preview shows how white text looks on a background with the XYZ color 43.3494, 35.8391,

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

43.3494, 35.8391, 4.6329

Protanopia

32.5580, 35.9516, 5.7956

Deuteranopia

36.7324, 36.0903, 5.0301



Tritanopia

48.2418, 35.7986, 28.4120

Trichromacy



Original Color

43.3494, 35.8391, 4.6329

Protanomaly

35.8088, 35.3632, 5.2551

Deuteranomaly

38.9088, 35.7787, 4.8553

Tritanomaly

45.2726, 35.3843, 13.6762

Monochromacy



Original Color

43.3494, 35.8391, 4.6329

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

31.6816, 31.3474, 15.4472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.3494, 35.8391, 4.6329 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(235, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 138, 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(235, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 138, 0) }
```

Border

The CSS property to change the border of an element to XYZ 43.3494, 35.8391, 4.6329 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(235, 138, 0) }
```


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

```
.border{ border-color:rgb(235, 138, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 138,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 43.3494, 35.8391, 4.6329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 138, 0) }
```

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

```
.background{ background-color: rgb(235,  
138, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor