

Converting Colors

XYZ(41.6468, 35.0882, 4.5777)

Have a look what the booklet for
XYZ(41.6468, 35.0882, 4.5777)
contains.

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Color

**XYZ(41.5457, 35.1233,
4.5898)**

Conversions

Conversions Part 1

Format	Color
Hex	E58B00
RGB	229, 139, 0
RGB Percent	90%, 55%, 0%
CMY	0.1020, 0.4549, 1.0000
CMYK	0.00, 0.39, 1.00, 0.10
HSL	36°, 100%, 45%
HSV	36°, 100%, 90%
XYZ	41.5457, 35.1233, 4.5898
YIQ	150.0640, 98.2590, -24.1490

Conversions

Conversions Part 2

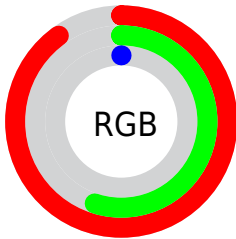
Format	Color
R _Y B	148, 229, 0
Decimal	15043328
CIE Lab	65.84, 26.68, 71.51
CIE LCh	66, 76.322, 69.538
Yxy	35.1233, 0.5113, 0.4322
Android (android.graphics.Color)	4293233408 (0xFFE58B00)
YUV	150.0640, -73.9816, 69.2269
Hunter-Lab	59.2649, 21.4179, 36.8937

Details

The XYZ color **41.5457, 35.1233, 4.5898** 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 **17.7993, 12.9701, 75.6933**, and the grayscale version is **29.2933, 30.8188, 33.5617**.

A 20% lighter version of the original color is **61.5126, 59.8810, 14.6195**, and **19.4261, 15.1949, 1.9090** is the 20% darker color. If you saturate the color by 10%, you get **41.5457, 35.1238, 4.5899**, and if you desaturate by 10%, it is **43.0575, 37.9013, 5.8523**.

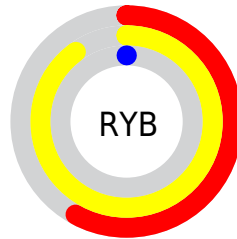
Distribution



Red (90%)

Green (55%)

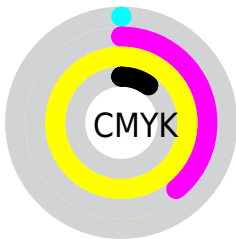
Blue (0%)



Red (58%)

Yellow (90%)

Blue (0%)

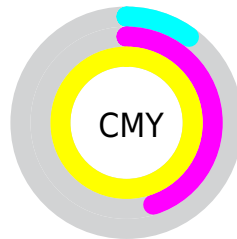


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.5457, 35.1233, 4.5898 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 41.5457, 35.1233, 4.5898 by changing the saturation by 10% instead.


 41.5457, 35.1233,
4.5898


 41.5457, 35.1233,
4.5898


343.6200,
325.1122, 154.5713


 28.9353, 23.7579,
1.9542


 76.7811, 67.6767,
15.3487


 19.1759, 15.1541,
0.5269


 100.1368, 89.6335,
24.3090

 11.9022, 8.9276,
0.0000


 127.8049,
115.8896, 36.2146

 6.7488, 4.6940,
0.0000

 160.1509,
146.8292, 51.4841

 3.3505, 2.0689,
0.0000

 197.5400,
182.8370, 70.5359


 1.3417, 0.6470,
0.0000

 240.3376,

 0.2141, 0.0000,


224.2971, 93.7887

0.0000


 288.9092,
271.5941, 121.6610


 0.0000, 0.0000,
0.0000


 41.5457, 35.1233,
4.5898


 41.5457, 35.1233,
4.5898


 41.5457, 35.1238,
4.5899

 43.0575, 37.9013,
5.8523

 44.8603, 40.9697,
8.1089

 47.0153, 44.3586,
11.6675

 49.5587, 48.0859,
16.7059

 52.5208, 52.1676,
23.3738

■ 55.9288, 56.6180,
31.8025

■ 59.8068, 61.4501,
42.1095

■ 64.1773, 66.6762,
54.4023

■ 69.0611, 72.3080,
68.7801

Harmonies

Analogous

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



53.0366, 35.1233, 10.7811



41.5457, 35.1233, 4.5898



29.9207, 35.1233, 3.8853

Triad

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



41.5457, 35.1233, 4.5898



16.2506, 35.1233, 49.4741



49.1634, 35.1233, 108.8363

Complementary

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



41.5457, 35.1233, 4.5898



17.7993, 12.9701, 75.6933

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.



37.1040, 35.1233, 137.8831



41.5457, 35.1233, 4.5898



19.3067, 35.1233, 92.9071

Square

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



41.5457, 35.1233, 4.5898



16.9203, 35.1233, 20.3932



26.3674, 35.1233, 130.8178



58.0764, 35.1233, 64.2971

Rectangle

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



41.5457, 35.1233, 4.5898



23.8006, 35.1233, 5.6752



26.3674, 35.1233, 130.8178



45.2452, 35.1233, 121.6219

Sweetspot

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



41.5465, 35.1251, 4.5904



76.2340, 78.3100, 53.4806



34.2275, 17.4239, 11.5945



15.8528, 16.1896, 10.1924



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.



41.5465, 35.1251, 4.5904



52.9256, 44.6312, 5.8252



53.5005, 69.1742, 10.5325



15.1013, 15.8165, 15.1614



23.8745, 20.3232, 2.6645



1.8541, 1.6815, 0.2268

Inverse Universe

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



17.7993, 12.9701, 75.6933



22.6278, 16.3756, 96.5759



14.4941, 5.8384, 74.4910



14.0451, 14.8117, 18.2630



10.2858, 7.6336, 43.3145



0.8485, 0.7408, 3.2302

Previews

White Background



This preview shows how the XYZ color 41.5457, 35.1233, 4.5898 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 41.5457, 35.1233, 4.5898 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 41.5457, 35.1233, 4.5898

Background



This preview shows how black text looks on a background with the XYZ color 41.5457, 35.1233, 4.5898.



This preview shows how white text looks on a background with the XYZ color 41.5457, 35.1233,

4.5898.

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

41.5457, 35.1233, 4.5898

Protanopia

31.9021, 35.3540, 5.6729

Deuteranopia

35.8568, 35.1530, 4.8953



Tritanopia

46.4421, 35.0570, 28.7450

Trichromacy



Original Color

41.5457, 35.1233, 4.5898

Protanomaly

34.7403, 34.8124, 5.2051

Deuteranomaly

37.5851, 34.8645, 4.7486

Tritanomaly

43.4277, 34.6354, 13.6289

Monochromacy



Original Color

41.5457, 35.1233, 4.5898

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.9348, 30.9677, 15.1734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5457, 35.1233, 4.5898 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, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 139, 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(229, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 139, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.5457, 35.1233, 4.5898 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, 139, 0) }
```


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

```
.border{ border-color:rgb(229, 139, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 139, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 139,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5457, 35.1233, 4.5898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 139, 0) }
```

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

```
.background{ background-color: rgb(229,  
139, 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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