

Converting Colors

XYZ(39.9088, 35.1670, 4.6845)

Have a look what the booklet for
XYZ(39.9088, 35.1670, 4.6845)
contains.

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Color

**XYZ(39.9467, 35.1745,
4.6839)**

Conversions

Conversions Part 1

Format	Color
Hex	DE8F00
RGB	222, 143, 0
RGB Percent	87%, 56%, 0%
CMY	0.1294, 0.4392, 1.0000
CMYK	0.00, 0.36, 1.00, 0.13
HSL	39°, 100%, 44%
HSV	39°, 100%, 87%
XYZ	39.9467, 35.1745, 4.6839
YIQ	150.3190, 92.9870, -27.7250

Conversions

Conversions Part 2

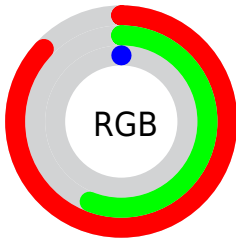
Format	Color
RYB	123, 222, 0
Decimal	14585600
CIELab	65.88, 21.58, 71.10
CIElCh	66, 74.304, 73.118
Yxy	35.1745, 0.5006, 0.4408
Android (android.graphics.Color)	4292775680 (0xFFDE8F00)
YUV	150.3190, -74.1073, 62.8642
Hunter-Lab	59.3081, 16.4387, 36.8332

Details

The XYZ color **39.9467, 35.1745, 4.6839** 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 **15.9811, 10.8664, 70.3620**, and the grayscale version is **29.4042, 30.9355, 33.6887**.

A 20% lighter version of the original color is **62.4423, 61.6869, 15.0943**, and **18.6123, 15.4058, 1.9926** is the 20% darker color. If you saturate the color by 10%, you get **39.9469, 35.1752, 4.6841**, and if you desaturate by 10%, it is **41.3224, 37.6912, 5.8669**.

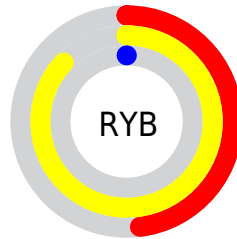
Distribution



Red (87%)

Green (56%)

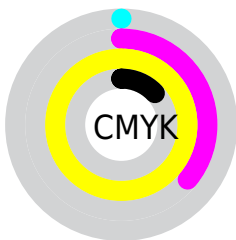
Blue (0%)



Red (48%)

Yellow (87%)

Blue (0%)

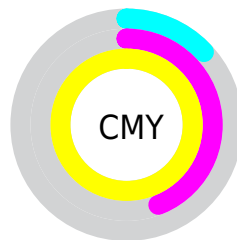


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9467, 35.1745, 4.6839 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 39.9467, 35.1745, 4.6839 by changing the saturation by 10% instead.


 39.9467, 35.1745,
4.6839


 39.9467, 35.1745,
4.6839


337.0371,
325.3379, 155.5480


 27.6810, 23.7973,
2.0075


 74.3672, 67.7560,
15.5586


 18.2246, 15.1833,
0.5599


 97.2527, 89.7291,
24.5941

 11.2120, 8.9482,
0.0000


 124.4089,
116.0030, 36.5863

 6.2780, 4.7074,
0.0000

 156.2011,
146.9621, 51.9538

 3.0571, 2.0766,
0.0000

 192.9947,
182.9907, 71.1153


 1.1840, 0.6514,
0.0000


 235.1550,


 0.0937, 0.0000,


224.4733, 94.4891


0.0000


 283.0473,
271.7942, 122.4938


 0.0000, 0.0000,
0.0000


 39.9467, 35.1745,
4.6839


 39.9467, 35.1745,
4.6839


 39.9469, 35.1752,
4.6841

 41.3224, 37.6912,
5.8669

 42.9511, 40.4439,
7.9662

 44.8903, 43.4597,
11.2717

 47.1724, 46.7540,
15.9476

 49.8253, 50.3404,
22.1324

■ 52.8734, 54.2311,
29.9474

■ 56.3386, 58.4372,
39.5013

■ 60.2412, 62.9690,
50.8936

■ 64.5999, 67.8363,
64.2161

Harmonies

Analogous

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



51.3350, 35.1745, 10.0524



39.9467, 35.1745, 4.6839



28.8655, 35.1745, 4.4351

Triad

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



39.9467, 35.1745, 4.6839



16.7964, 35.1745, 53.7280



50.0407, 35.1745, 101.5701

Complementary

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



39.9467, 35.1745, 4.6839



15.9811, 10.8664, 70.3620

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.



38.4570, 35.1745, 132.5380



39.9467, 35.1745, 4.6839



20.2667, 35.1745, 96.2830

Square

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



39.9467, 35.1745, 4.6839



17.0243, 35.1745, 23.2852



27.6677, 35.1745, 130.1997



57.9809, 35.1745, 58.6811

Rectangle

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



39.9467, 35.1745, 4.6839



23.1720, 35.1745, 6.6968



27.6677, 35.1745, 130.1997



46.3465, 35.1745, 114.5536

Sweetspot

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



39.9475, 35.1763, 4.6845



77.0086, 79.8592, 53.7388



31.6246, 16.1299, 9.3113



16.0375, 16.5590, 10.2540



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.



39.9475, 35.1763, 4.6845



54.5621, 47.9041, 6.3707



47.9611, 63.5011, 9.7294



14.4400, 15.1660, 14.4730



23.8363, 21.1104, 2.8184



1.7357, 1.6303, 0.2232

Inverse Universe

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



15.9811, 10.8664, 70.3620



21.7689, 14.6578, 96.2896



13.7089, 5.5443, 69.4544



13.3492, 14.0374, 17.3936



9.5875, 6.6446, 41.8256



0.7470, 0.6255, 2.9266

Previews

White Background



This preview shows how the XYZ color 39.9467, 35.1745, 4.6839 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 39.9467, 35.1745, 4.6839 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 39.9467, 35.1745, 4.6839

Background



This preview shows how black text looks on a background with the XYZ color 39.9467, 35.1745, 4.6839.



This preview shows how white text looks on a background with the XYZ color 39.9467, 35.1745,

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

39.9467, 35.1745, 4.6839

Protanopia

31.8945, 35.3509, 5.6326

Deuteranopia

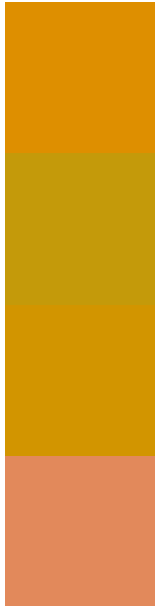
35.8568, 35.1530, 4.8953



Tritanopia

45.3404, 35.2522, 30.4013

Trichromacy



Original Color

39.9467, 35.1745, 4.6839

Protanomaly

34.3753, 34.8689, 5.2058

Deuteranomaly

37.3258, 35.1965, 4.8263

Tritanomaly

42.1980, 34.8154, 14.3935

Monochromacy



Original Color

39.9467, 35.1745, 4.6839

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.4038, 30.9238, 15.1929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9467, 35.1745, 4.6839 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(222, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 143, 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(222, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 143, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.9467, 35.1745, 4.6839 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(222, 143, 0) }
```


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

```
.border{ border-color:rgb(222, 143, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 143, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 143,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9467, 35.1745, 4.6839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 143, 0) }
```

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

```
.background{ background-color: rgb(222,  
143, 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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