

Converting Colors

XYZ(39.5186, 28.1776, 3.3560)

Have a look what the booklet for
XYZ(39.5186, 28.1776, 3.3560)
contains.

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Color

**XYZ(39.5186, 28.1776,
3.3560)**

Conversions

Conversions Part 1

Format	Color
Hex	EB6B00
RGB	235, 107, 0
RGB Percent	92%, 42%, 0%
CMY	0.0784, 0.5804, 1.0000
CMYK	0.00, 0.54, 1.00, 0.08
HSL	27°, 100%, 46%
HSV	27°, 100%, 92%
XYZ	39.5186, 28.1776, 3.3560
YIQ	133.0740, 110.6350, -6.1410

Conversions

Conversions Part 2

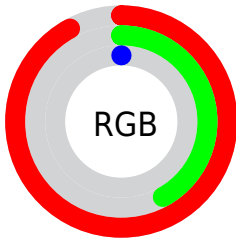
Format	Color
RYB	235, 196, 0
Decimal	15428352
CIELab	60.05, 45.39, 68.41
CIELCh	60, 82.099, 56.437
Yxy	28.1776, 0.5562, 0.3966
Android (android.graphics.Color)	4293618432 (0xFFEB6B00)
YUV	133.0740, -65.6055, 89.3891
Hunter-Lab	53.0826, 39.9941, 33.4094

Details

The XYZ color **39.5186, 28.1776, 3.3560** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **22.7143, 21.4361, 81.5368**, and the grayscale version is **22.5261, 23.6992, 25.8084**.

A 20% lighter version of the original color is **55.0283, 47.1671, 11.6727**, and **18.1138, 11.2963, 1.2257** is the 20% darker color. If you saturate the color by 10%, you get **39.5187, 28.1782, 3.3561**, and if you desaturate by 10%, it is **41.1138, 31.1127, 4.6760**.

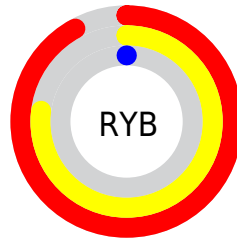
Distribution



Red (92%)

Green (42%)

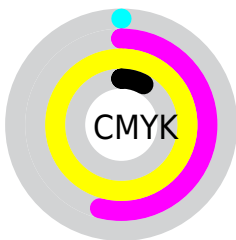
Blue (0%)



Red (92%)

Yellow (77%)

Blue (0%)

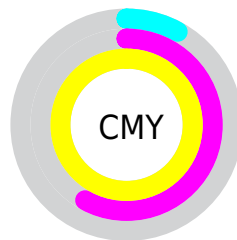


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5186, 28.1776, 3.3560 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 39.5186, 28.1776, 3.3560 by changing the saturation by 10% instead.


 39.5186, 28.1776,
3.3560


 39.5186, 28.1776,
3.3560


335.2597,
293.3146, 140.7731

 27.3459, 18.4596,
1.2792


 73.7189, 56.7679,
12.4949

 17.9711, 11.2804,
0.0446


 96.4773, 76.4089,
20.3941


 11.0288, 6.2558,
0.0000


 123.4949,
100.1264, 31.0711

 6.1537, 3.0012,
0.0000

 155.1372,
128.3047, 44.9446

 2.9803, 1.1324,
0.0000

 191.7694,
161.3283, 62.4330


 1.1433, 0.0054,
0.0000

 233.7570,


 0.0609, 0.0000,


199.5816, 83.9548


0.0000


 281.4653,
243.4489, 109.9287


 0.0000, 0.0000,
0.0000


 39.5186, 28.1776,
3.3560

 39.5186, 28.1776,
3.3560


 39.5187, 28.1782,
3.3561

 41.1138, 31.1127,
4.6760

 43.1077, 34.5351,
7.0841

 45.5699, 38.4860,
10.9055

 48.5434, 42.9945,
16.3317

 52.0654, 48.0864,
23.5240

■ 56.1689, 53.7855,
32.6234

■ 60.8840, 60.1140,
43.7569

■ 66.2383, 67.0927,
57.0401

■ 72.2576, 74.7415,
72.5800

Harmonies

Analogous

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



49.1438, 28.1776, 11.5103



39.5186, 28.1776, 3.3560



28.0520, 28.1776, 1.6188

Triad

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



39.5186, 28.1776, 3.3560



11.2999, 28.1776, 27.2369



36.7773, 28.1776, 116.6247

Complementary

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



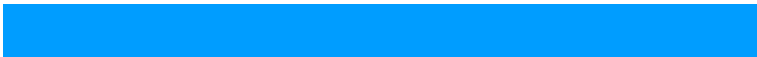
39.5186, 28.1776, 3.3560



22.7143, 21.4361, 81.5368

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.



25.5508, 28.1776, 131.6346



39.5186, 28.1776, 3.3560



12.5021, 28.1776, 64.1566

Square

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



39.5186, 28.1776, 3.3560



13.2698, 28.1776, 8.5758



17.1262, 28.1776, 108.1176



47.2932, 28.1776, 74.8440

Rectangle

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



39.5186, 28.1776, 3.3560



21.4818, 28.1776, 1.9554



17.1262, 28.1776, 108.1176



32.8892, 28.1776, 125.7979

Sweetspot

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



39.5192, 28.1792, 3.3565



73.2044, 72.2509, 52.4707



38.2400, 19.2539, 22.5581



15.1355, 14.7550, 9.9533



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.



39.5192, 28.1792, 3.3565



47.4983, 33.7765, 4.0161



60.7150, 70.5707, 10.4217



15.6304, 16.1839, 15.8187



22.1183, 15.9308, 1.9092



1.8319, 1.4411, 0.1816

Inverse Universe

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



22.7143, 21.4361, 81.5368



27.2665, 25.6530, 98.1222



15.1239, 6.2553, 79.0067



14.9111, 15.9086, 19.2070



12.7707, 12.1884, 45.4225



1.0988, 1.1491, 3.5988

Previews

White Background



This preview shows how the XYZ color 39.5186, 28.1776, 3.3560 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 39.5186, 28.1776, 3.3560 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.5186, 28.1776, 3.3560

Background



This preview shows how black text looks on a background with the XYZ color 39.5186, 28.1776, 3.3560.



This preview shows how white text looks on a background with the XYZ color 39.5186, 28.1776,

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

39.5186, 28.1776, 3.3560

Protanopia

25.7335, 28.5082, 4.9054

Deuteranopia

28.6169, 28.2442, 3.9434



Tritanopia

42.4186, 28.3321, 16.8686

Trichromacy



Original Color

39.5186, 28.1776, 3.3560

Protanomaly

29.5657, 27.4814, 4.1616

Deuteranomaly

31.9465, 27.7353, 3.6697

Tritanomaly

40.7884, 28.1103, 8.5862

Monochromacy



Original Color

39.5186, 28.1776, 3.3560

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

25.4249, 23.6172, 11.8129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5186, 28.1776, 3.3560 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, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 107, 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, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 107, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.5186, 28.1776, 3.3560 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, 107, 0) }
```


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

```
.border{ border-color:rgb(235, 107, 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, 107, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 107,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5186, 28.1776, 3.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 107, 0) }
```

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

```
.background{ background-color: rgb(235,  
107, 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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