

Converting Colors

XYZ(39.1461, 28.1423, 4.2113)

Have a look what the booklet for
XYZ(39.1461, 28.1423, 4.2113)
contains.

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Color

**XYZ(39.1317, 28.1147,
4.2284)**

Conversions

Conversions Part 1

Format	Color
Hex	E96C18
RGB	233, 108, 24
RGB Percent	91%, 42%, 9%
CMY	0.0863, 0.5764, 0.9059
CMYK	0.00, 0.54, 0.90, 0.09
HSL	24°, 83%, 50%
HSV	24°, 90%, 91%
XYZ	39.1317, 28.1147, 4.2284
YIQ	135.7990, 101.4640, 0.3760

Conversions

Conversions Part 2

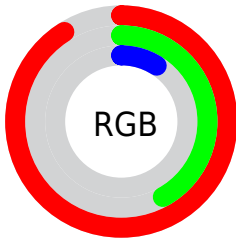
Format	Color
R _Y B	233, 164, 24
Decimal	15297560
CIE Lab	59.99, 44.41, 63.29
CIE LCh	60, 77.320, 54.944
Yxy	28.1147, 0.5475, 0.3934
Android (android.graphics.Color)	4293487640 (0xFFE96C18)
YUV	135.7990, -55.1169, 85.2453
Hunter-Lab	53.0233, 38.9439, 32.3882

Details

The XYZ color **39.1317, 28.1147, 4.2284** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **25.8314, 27.5709, 81.0504**, and the grayscale version is **23.5007, 24.7246, 26.9251**.

A 20% lighter version of the original color is **55.5716, 47.6652, 13.6685**, and **17.9917, 11.3744, 1.2472** is the 20% darker color. If you saturate the color by 10%, you get **37.6171, 25.3435, 2.9294**, and if you desaturate by 10%, it is **41.0757, 31.4362, 6.6245**.

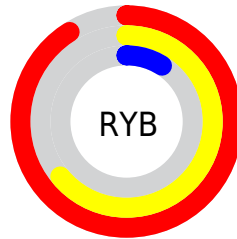
Distribution



Red (91%)

Green (42%)

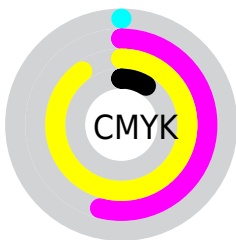
Blue (9%)



Red (91%)

Yellow (64%)

Blue (9%)

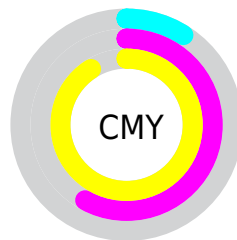


Cyan (0%)

Magenta (54%)

Yellow (90%)

Black (9%)



Cyan (9%)


Magenta (58%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.1317, 28.1147, 4.2284 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 39.1317, 28.1147, 4.2284 by changing the saturation by 10% instead.


 39.1317, 28.1147,
4.2284


 39.1317, 28.1147,
4.2284


333.6476,
293.0146, 150.7312


 27.0434, 18.4121,
1.7515


 73.1323, 56.6675,
14.5332

 17.7426, 11.2463,
0.3956


 95.7752, 76.2866,
23.1981

 10.8639, 6.2327,
0.0000


 122.6671, 99.9799,
34.7628

 6.0420, 2.9871,
0.0000

 154.1732,
128.1319, 49.6457

 2.9115, 1.1250,
0.0000

 190.6590,
161.1270, 68.2655

 1.1072, 0.0000,
0.0000

 232.4897,

 0.0311, 0.0000,

199.3495, 91.0406

0.0000

280.0308,
243.1839, 118.3897

0.0000, 0.0000,
0.0000

39.1317, 28.1147,
4.2284

39.1317, 28.1147,
4.2284

37.6171, 25.3435,
2.9294

41.0757, 31.4362,
6.6245

37.5758, 25.2671,
2.8966

43.5156, 35.3472,
10.4240

46.4965, 39.8827,
15.8146

50.0571, 45.0730,
22.9542

54.2320, 50.9461,
31.9814

■ 59.0526, 57.5277,
43.0207

■ 64.5481, 64.8425,
56.1858

■ 70.7457, 72.9136,
71.5818

■ 77.6708, 81.7631,
89.3070

Harmonies

Analogous

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



47.8150, 28.1147, 12.9726



39.1317, 28.1147, 4.2284



28.4249, 28.1147, 2.1434

Triad

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



39.1317, 28.1147, 4.2284



11.9572, 28.1147, 26.0799



35.5236, 28.1147, 110.7362

Complementary

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



39.1317, 28.1147, 4.2284



25.8314, 27.5709, 81.0504

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.



25.0889, 28.1147, 122.5488



39.1317, 28.1147, 4.2284



12.9743, 28.1147, 59.6282

Square

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



39.1317, 28.1147, 4.2284



14.0320, 28.1147, 8.8426



17.2600, 28.1147, 99.8580



45.3988, 28.1147, 73.4843

Rectangle

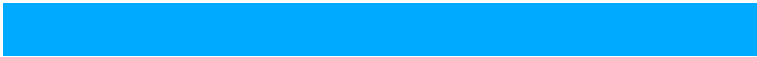
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.1317, 28.1147, 4.2284



22.1333, 28.1147, 2.4310



17.2600, 28.1147, 99.8580



31.9051, 28.1147, 118.5045

Sweetspot

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



39.1323, 28.1163, 4.2289



74.1208, 72.8155, 56.6862



39.3876, 20.1597, 30.4173



15.3952, 14.9540, 11.0277



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.



39.1323, 28.1163, 4.2289



46.0402, 30.8603, 3.5301



57.3373, 64.5263, 10.2972



15.5624, 16.0478, 15.7960



21.4353, 14.5649, 1.6815



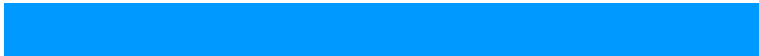
1.7752, 1.3277, 0.1627

Inverse Universe

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



25.8314, 27.5709, 81.0504



29.3604, 29.8408, 98.8201



16.0194, 7.9468, 77.7797



14.9804, 16.0472, 19.2301



13.7376, 14.1222, 45.7448



1.1725, 1.2966, 3.6233

Previews

White Background



This preview shows how the XYZ color 39.1317, 28.1147, 4.2284 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 39.1317, 28.1147, 4.2284 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 39.1317, 28.1147, 4.2284

Background



This preview shows how black text looks on a background with the XYZ color 39.1317, 28.1147, 4.2284.



This preview shows how white text looks on a background with the XYZ color 39.1317, 28.1147,

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

39.1317, 28.1147, 4.2284

Protanopia

25.5184, 28.1528, 5.6024

Deuteranopia

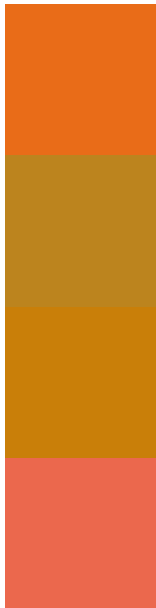
28.6169, 28.2442, 3.9434



Tritanopia

41.8996, 28.2018, 17.1451

Trichromacy



Original Color

39.1317, 28.1147, 4.2284

Protanomaly

29.2246, 27.2876, 4.9550

Deuteranomaly

31.7261, 27.6160, 3.9167

Tritanomaly

40.5508, 28.0986, 10.3075

Monochromacy



Original Color

39.1317, 28.1147, 4.2284

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

26.3210, 24.4059, 14.1500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1317, 28.1147, 4.2284 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(233, 108, 24)` looks like.

```
.text, #text, p{  
    color:rgb(233, 108, 24)  
}
```

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(233, 108, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 108, 24) }
```

Border

The CSS property to change the border of an element to XYZ 39.1317, 28.1147, 4.2284 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(233, 108, 24) }
```


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

```
.border{ border-color:rgb(233, 108, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 108, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 108, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 108, 24);  
box-shadow:4px 4px 4px 4px rgb(233, 108,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1317, 28.1147, 4.2284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 108, 24) }
```

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

```
.background{ background-color: rgb(233,  
108, 24) }
```

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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