

Converting Colors

XYZ(39.2213, 27.9047, 5.4628)

Have a look what the booklet for
XYZ(39.2213, 27.9047, 5.4628)
contains.

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Color

**XYZ(39.2799, 28.0062,
5.5259)**

Conversions

Conversions Part 1

Format	Color
Hex	E96B2A
RGB	233, 107, 42
RGB Percent	91%, 42%, 16%
CMY	0.0863, 0.5804, 0.8353
CMYK	0.00, 0.54, 0.82, 0.09
HSL	20°, 81%, 54%
HSV	20°, 82%, 91%
XYZ	39.2799, 28.0062, 5.5259
YIQ	137.2640, 95.9610, 6.4970

Conversions

Conversions Part 2

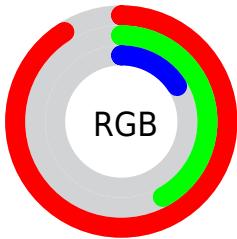
Format	Color
RYB	233, 141, 42
Decimal	15297322
CIELab	59.89, 45.30, 56.80
CIELCh	60, 72.657, 51.428
Yxy	28.0062, 0.5395, 0.3846
Android (android.graphics.Color)	4293487402 (0xFFE96B2A)
YUV	137.2640, -46.9652, 83.9605
Hunter-Lab	52.9209, 39.8780, 30.8537

Details

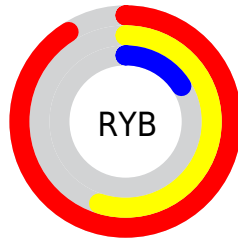
The XYZ color **39.2799, 28.0062, 5.5259** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **29.6641, 34.3781, 82.1624**, and the grayscale version is **24.0257, 25.2769, 27.5265**.

A 20% lighter version of the original color is **55.9607, 47.5401, 16.5826**, and **17.8967, 11.1844, 1.2155** is the 20% darker color. If you saturate the color by 10%, you get **37.5149, 24.9613, 3.4436**, and if you desaturate by 10%, it is **41.5730, 31.7207, 8.9785**.

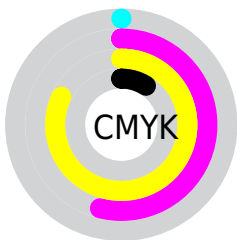
Distribution



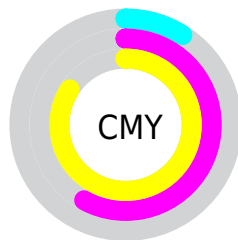
- Red (91%)
- Green (42%)
- Blue (16%)



- Red (91%)
- Yellow (55%)
- Blue (16%)



- Cyan (0%)
- Magenta (54%)
- Yellow (82%)
- Black (9%)





- Cyan (9%)
- Magenta (58%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2799, 28.0062, 5.5259 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 39.2799, 28.0062, 5.5259 by changing the saturation by 10% instead.


 39.2799, 28.0062,
5.5259


 39.2799, 28.0062,
5.5259


334.2657,
292.4965, 163.9184

 27.1592, 18.3303,
2.4949


 73.3571, 56.4943,
17.3990

 17.8301, 11.1874,
0.8375


 96.0443, 76.0754,
27.0782


 10.9270, 6.1930,
0.0000


 122.9844, 99.7270,
39.8105

 6.0847, 2.9628,
0.0000

 154.5427,
127.8335, 56.0145

 2.9378, 1.1123,
0.0000

 191.0847,
160.7793, 76.1088

 1.1210, 0.0000,
0.0000

 232.9756,

 0.0425, 0.0000,

198.9488, 100.5118

0.0000

280.5808,
242.7264, 129.6422

■ 0.0000, 0.0000,
0.0000

■ 39.2799, 28.0062,
5.5259

■ 39.2799, 28.0062,
5.5259

■ 37.5149, 24.9613,
3.4436

■ 41.5730, 31.7207,
8.9785


■ 36.4218, 22.9591,
2.5119


■ 44.4428, 36.1427,
13.9975


■ 47.9336, 41.3121,
20.7481


■ 52.0841, 47.2639,
29.3738

■ 56.9296, 54.0310,
40.0030

 62.5026, 61.6439,
52.7526

 68.8335, 70.1317,
67.7305

 75.9508, 79.5220,
85.0373

 83.8815, 89.8411,
104.7673

Harmonies

Analogous

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



46.7784, 28.0062, 15.4466



39.2799, 28.0062, 5.5259



29.3513, 28.0062, 2.7963

Triad

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



39.2799, 28.0062, 5.5259



12.6505, 28.0062, 23.5319



33.6387, 28.0062, 106.4304

Complementary

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



39.2799, 28.0062, 5.5259



29.6641, 34.3781, 82.1624

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.



24.0619, 28.0062, 113.3482



39.2799, 28.0062, 5.5259



13.2868, 28.0062, 53.0701

Square

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



39.2799, 28.0062, 5.5259



15.0208, 28.0062, 8.5220



17.0211, 28.0062, 89.9424



43.0332, 28.0062, 74.3954

Rectangle

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



39.2799, 28.0062, 5.5259



23.2572, 28.0062, 2.8867



17.0211, 28.0062, 89.9424



30.2902, 28.0062, 112.2967

Sweetspot

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



39.2805, 28.0078, 5.5264



74.4525, 72.5947, 59.5227



41.6248, 21.8567, 39.7253



15.4185, 14.8316, 11.5565



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.



39.2805, 28.0078, 5.5264



44.9371, 28.6095, 3.3002



54.9474, 59.3416, 10.7487



15.4845, 15.8920, 15.7701



20.7698, 13.2339, 1.4597



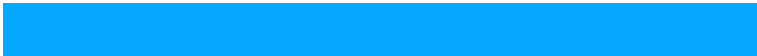
1.7173, 1.2118, 0.1434

Inverse Universe

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



29.6641, 34.3781, 82.1624



32.4785, 35.9822, 99.8412



18.1005, 11.2509, 78.3079



15.0610, 16.2083, 19.2570



14.9937, 16.6343, 46.1635



1.2659, 1.4834, 3.6545

Previews

White Background



This preview shows how the XYZ color 39.2799, 28.0062, 5.5259 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 39.2799, 28.0062, 5.5259 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 39.2799, 28.0062, 5.5259

Background



This preview shows how black text looks on a background with the XYZ color 39.2799, 28.0062, 5.5259.



This preview shows how white text looks on a background with the XYZ color 39.2799, 28.0062,

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

39.2799, 28.0062, 5.5259

Protanopia

25.6455, 28.1801, 7.3365

Deuteranopia

28.4714, 27.9301, 5.1187



Tritanopia

41.8031, 28.0087, 17.1129

Trichromacy



Original Color

39.2799, 28.0062, 5.5259

Protanomaly

29.3888, 27.1374, 6.4854

Deuteranomaly

31.8370, 27.4547, 5.1347

Tritanomaly

40.6725, 27.9872, 11.4420

Monochromacy



Original Color

39.2799, 28.0062, 5.5259

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

26.8724, 24.6517, 15.9123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2799, 28.0062, 5.5259 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, 107, 42)` looks like.

```
.text, #text, p{  
    color:rgb(233, 107, 42)  
}
```

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, 107, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 107, 42) }
```

Border

The CSS property to change the border of an element to XYZ 39.2799, 28.0062, 5.5259 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, 107, 42) }
```


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

```
.border{ border-color:rgb(233, 107, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 107, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 107, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 107, 42);  
box-shadow:4px 4px 4px 4px rgb(233, 107,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2799, 28.0062, 5.5259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 107, 42) }
```

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

```
.background{ background-color: rgb(233,  
107, 42) }
```

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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