

Converting Colors

XYZ(39.0879, 29.3240, 3.5999)

Have a look what the booklet for
XYZ(39.0879, 29.3240, 3.5999)
contains.

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Color

**XYZ(39.0857, 29.2504,
3.5858)**

Conversions

Conversions Part 1

Format	Color
Hex	E77300
RGB	231, 115, 0
RGB Percent	91%, 45%, 0%
CMY	0.0941, 0.5490, 1.0000
CMYK	0.00, 0.50, 1.00, 0.09
HSL	30°, 100%, 45%
HSV	30°, 100%, 91%
XYZ	39.0857, 29.2504, 3.5858
YIQ	136.5740, 106.0510, -11.1730

Conversions

Conversions Part 2

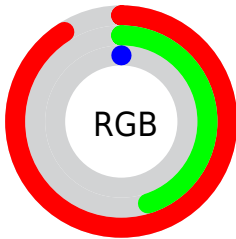
Format	Color
R_{YB}	231, 229, 0
Decimal	15168256
CIE Lab	61.00, 39.91, 68.66
CIE LCh	61, 79.414, 59.829
Yxy	29.2504, 0.5434, 0.4067
Android (android.graphics.Color)	4293358336 (0xFFE77300)
YUV	136.5740, -67.3310, 82.8116
Hunter-Lab	54.0836, 34.3538, 33.9276

Details

The XYZ color **39.0857, 29.2504, 3.5858** 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 **20.6688, 18.2597, 78.0357**, and the grayscale version is **23.8361, 25.0775, 27.3094**.

A 20% lighter version of the original color is **56.5021, 50.0656, 12.3159**, and **17.9818, 11.9916, 1.3669** is the 20% darker color. If you saturate the color by 10%, you get **39.0860, 29.2513, 3.5860**, and if you desaturate by 10%, it is **40.6491, 32.1285, 4.8752**.

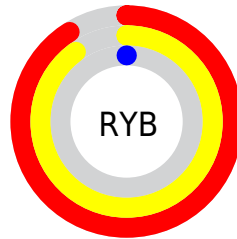
Distribution



Red (91%)

Green (45%)

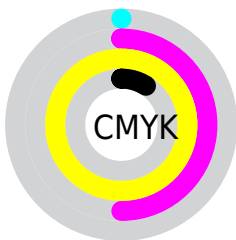
Blue (0%)



Red (91%)

Yellow (90%)

Blue (0%)

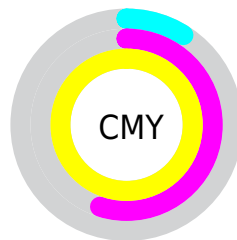


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.0857, 29.2504, 3.5858 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 39.0857, 29.2504, 3.5858 by changing the saturation by 10% instead.


 39.0857, 29.2504,
3.5858


 39.0857, 29.2504,
3.5858


333.4556,
298.3946, 143.5039


 27.0074, 19.2703,
1.4010


 73.0625, 58.4747,
13.0426

 17.7154, 11.8658,
0.1425


 95.6916, 78.4877,
21.1517

 10.8443, 6.6523,
0.0000


 122.5685,
102.6138, 32.0727

 6.0288, 3.2456,
0.0000

 154.0584,
131.2374, 46.2240

 2.9034, 1.2613,
0.0000

 190.5267,
164.7429, 64.0242


 1.1029, 0.1109,
0.0000

 232.3388,


 0.0275, 0.0000,


203.5146, 85.8919


0.0000


 279.8600,
247.9371, 112.2456


 0.0000, 0.0000,
0.0000


 39.0857, 29.2504,
3.5858


 39.0857, 29.2504,
3.5858


 39.0860, 29.2513,
3.5860

 40.6491, 32.1285,
4.8752

 42.5700, 35.4239,
7.1999

 44.9138, 39.1731,
10.8741

 47.7201, 43.4003,
16.0804

 51.0229, 48.1273,
22.9729

■ 54.8524, 53.3739,
31.6864

■ 59.2360, 59.1588,
42.3420

■ 64.1990, 65.4992,
55.0502

■ 69.7649, 72.4115,
69.9132

Harmonies

Analogous

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



48.9558, 29.2504, 11.0401



39.0857, 29.2504, 3.5858



27.8614, 29.2504, 2.0665

Triad

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



39.0857, 29.2504, 3.5858



12.2397, 29.2504, 31.6780



38.9561, 29.2504, 111.6080

Complementary

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



39.0857, 29.2504, 3.5858



20.6688, 18.2597, 78.0357

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.



27.7420, 29.2504, 130.0033



39.0857, 29.2504, 3.5858



13.8343, 29.2504, 69.5737

Square

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



39.0857, 29.2504, 3.5858



13.8718, 29.2504, 10.8946



18.9297, 29.2504, 111.2139



48.8688, 29.2504, 70.0736

Rectangle

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



39.0857, 29.2504, 3.5858



21.5670, 29.2504, 2.6634



18.9297, 29.2504, 111.2139



35.1351, 29.2504, 121.5400

Sweetspot

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



39.0863, 29.2520, 3.5863



74.0325, 73.9071, 52.7467



36.3057, 18.3293, 19.1883



15.3308, 15.1454, 10.0184



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.



39.0863, 29.2520, 3.5863



48.8234, 36.4268, 4.4578



60.4646, 72.0086, 10.7124



14.9668, 15.5474, 15.1166



22.0364, 16.6470, 2.0517



1.7213, 1.4159, 0.1826

Inverse Universe

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



20.6688, 18.2597, 78.0357



25.7752, 22.6704, 97.6251



14.4656, 5.8532, 75.9680



14.1779, 15.0771, 18.3073



11.7114, 10.4849, 43.7897



0.9583, 0.9606, 3.2669

Previews

White Background



This preview shows how the XYZ color 39.0857, 29.2504, 3.5858 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 39.0857, 29.2504, 3.5858 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 39.0857, 29.2504, 3.5858

Background



This preview shows how black text looks on a background with the XYZ color 39.0857, 29.2504, 3.5858.



This preview shows how white text looks on a background with the XYZ color 39.0857, 29.2504,

3.5858.

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

39.0857, 29.2504, 3.5858

Protanopia

26.6525, 29.4458, 4.9407

Deuteranopia

29.8716, 29.3210, 4.0851



Tritanopia

42.2266, 29.2227, 19.3345

Trichromacy



Original Color

39.0857, 29.2504, 3.5858

Protanomaly

30.1120, 28.5845, 4.3111

Deuteranomaly

32.7449, 28.9291, 3.8580

Tritanomaly

40.3828, 28.9565, 9.7641

Monochromacy



Original Color

39.0857, 29.2504, 3.5858

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

26.3651, 25.0466, 12.4617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0857, 29.2504, 3.5858 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(231, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(231, 115, 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(231, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 115, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.0857, 29.2504, 3.5858 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(231, 115, 0) }
```


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

```
.border{ border-color:rgb(231, 115, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(231, 115,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0857, 29.2504, 3.5858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 115, 0) }
```

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

```
.background{ background-color: rgb(231,  
115, 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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