

Converting Colors

XYZ(38.4255, 29.0009, 5.6603)

Have a look what the booklet for
XYZ(38.4255, 29.0009, 5.6603)
contains.

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Color

**XYZ(38.3242, 28.9818,
5.6720)**

Conversions

Conversions Part 1

Format	Color
Hex	E37429
RGB	227, 116, 41
RGB Percent	89%, 45%, 16%
CMY	0.1098, 0.5451, 0.8392
CMYK	0.00, 0.49, 0.82, 0.11
HSL	24°, 77%, 53%
HSV	24°, 82%, 89%
XYZ	38.3242, 28.9818, 5.6720
YIQ	140.6390, 90.2310, 0.2070

Conversions

Conversions Part 2

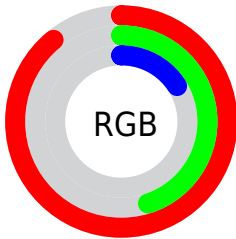
Format	Color
R _Y B	227, 167, 41
Decimal	14906409
CIE Lab	60.77, 38.50, 57.66
CIE LCh	61, 69.332, 56.268
Yxy	28.9818, 0.5251, 0.3971
Android (android.graphics.Color)	4293096489 (0xFFE37429)
YUV	140.6390, -49.1220, 75.7386
Hunter-Lab	53.8347, 32.8608, 31.4376

Details

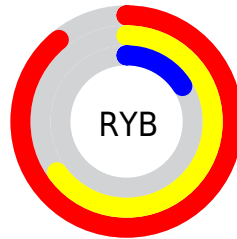
The XYZ color **38.3242, 28.9818, 5.6720** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **26.0070, 28.4723, 76.7975**, and the grayscale version is **25.3385, 26.6580, 29.0306**.

A 20% lighter version of the original color is **57.5905, 50.7998, 17.1259**, and **17.4073, 11.7799, 1.3563** is the 20% darker color. If you saturate the color by 10%, you get **36.5868, 25.9691, 3.6696**, and if you desaturate by 10%, it is **40.5186, 32.5443, 8.9524**.

Distribution



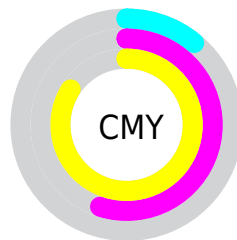
- Red (89%)
- Green (45%)
- Blue (16%)



- Red (89%)
- Yellow (65%)
- Blue (16%)



- Cyan (0%)
- Magenta (49%)
- Yellow (82%)
- Black (11%)





- Cyan (11%)
- Magenta (55%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3242, 28.9818, 5.6720 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 38.3242, 28.9818, 5.6720 by changing the saturation by 10% instead.


 38.3242, 28.9818,
5.6720


 38.3242, 28.9818,
5.6720


330.2655,
297.1291, 165.3102


 26.4128, 19.0671,
2.5811


 71.9055, 58.0482,
17.7120


 17.2670, 11.7187,
0.8827


 94.3060, 77.9686,
27.4982


 10.5215, 6.5525,
0.0000


 120.9337,
101.9930, 40.3532

 5.8110, 3.1838,
0.0000

 152.1537,
130.5058, 56.6956

 2.7701, 1.2284,
0.0000

 188.3316,
163.8915, 76.9440

 1.0334, 0.0848,
0.0000

 229.8326,

 0.0000, 0.0000,

202.5343, 101.5169

0.0000

277.0221,
246.8187, 130.8327

■ 38.3242, 28.9818,
5.6720

■ 38.3242, 28.9818,
5.6720

■ 36.5868, 25.9691,
3.6696

■ 40.5186, 32.5443,
8.9524

■ 35.4657, 23.9055,
2.7450

■ 43.2117, 36.6839,
13.6926

■ 46.4412, 41.4312,
20.0463

■ 50.2403, 46.8126,
28.1468

■ 54.6390, 52.8526,
38.1136

■ 59.6650, 59.5745,
50.0552

■ 65.3441, 67.0002,
64.0721

■ 71.7007, 75.1504,
80.2577

■ 78.7576, 84.0451,
98.6997

Harmonies

Analogous

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



46.1744, 28.9818, 14.3037



38.3242, 28.9818, 5.6720



28.6889, 28.9818, 3.4307

Triad

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



38.3242, 28.9818, 5.6720



13.6283, 28.9818, 28.4372



35.9424, 28.9818, 100.1868

Complementary

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



38.3242, 28.9818, 5.6720



26.0070, 28.4723, 76.7975

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.



26.4346, 28.9818, 111.4173



38.3242, 28.9818, 5.6720



14.7535, 28.9818, 58.9853

Square

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



38.3242, 28.9818, 5.6720



15.5094, 28.9818, 11.2518



19.0062, 28.9818, 93.3747



44.6021, 28.9818, 67.8822

Rectangle

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



38.3242, 28.9818, 5.6720



22.9748, 28.9818, 3.8771



19.0062, 28.9818, 93.3747



32.6873, 28.9818, 107.1139

Sweetspot

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



38.3248, 28.9834, 5.6725



75.4735, 74.6365, 59.8630



38.1882, 20.2036, 31.8513



15.6592, 15.3130, 11.6367



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.



38.3248, 28.9834, 5.6725



46.4090, 31.5533, 3.7908



54.7320, 61.7977, 11.1416



14.8517, 15.3173, 15.0782



20.7912, 14.1566, 1.6367



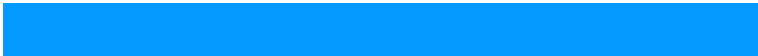
1.6255, 1.2243, 0.1506

Inverse Universe

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



26.0070, 28.4723, 76.7975



29.7068, 30.4387, 98.9173



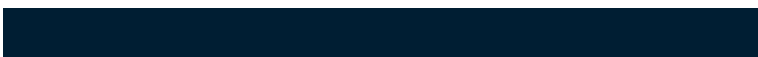
16.3747, 9.2077, 73.5867



14.2944, 15.3102, 18.3461



13.2938, 13.6497, 44.3172



1.0729, 1.1897, 3.3051

Previews

White Background



This preview shows how the XYZ color 38.3242, 28.9818, 5.6720 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 38.3242, 28.9818, 5.6720 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 38.3242, 28.9818, 5.6720

Background



This preview shows how black text looks on a background with the XYZ color 38.3242, 28.9818, 5.6720.



This preview shows how white text looks on a background with the XYZ color 38.3242, 28.9818,

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

38.3242, 28.9818, 5.6720

Protanopia

26.5051, 29.0885, 7.1234

Deuteranopia

29.6330, 29.1694, 5.3648



Tritanopia

41.2542, 29.0212, 19.9503

Trichromacy



Original Color

38.3242, 28.9818, 5.6720

Protanomaly

30.0363, 28.4969, 6.5021

Deuteranomaly

32.2391, 28.6333, 5.4177

Tritanomaly

39.9104, 28.9676, 12.9390

Monochromacy



Original Color

38.3242, 28.9818, 5.6720

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.8143, 26.2931, 16.9737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3242, 28.9818, 5.6720 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(227, 116, 41)` looks like.

```
.text, #text, p{  
    color:rgb(227, 116, 41)  
}
```

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(227, 116, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 116, 41) }
```

Border

The CSS property to change the border of an element to XYZ 38.3242, 28.9818, 5.6720 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(227, 116, 41) }
```


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

```
.border{ border-color:rgb(227, 116, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 116, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 116, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 116, 41);  
box-shadow:4px 4px 4px 4px rgb(227, 116,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3242, 28.9818, 5.6720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 116, 41) }
```

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

```
.background{ background-color: rgb(227,  
116, 41) }
```

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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