

Converting Colors

XYZ(37.2099, 27.4150, 3.3319)

Have a look what the booklet for
XYZ(37.2099, 27.4150, 3.3319)
contains.

XYZ(37.2545, 27.4828, 3.3412)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.2545, 27.4828,
3.3412)**

Conversions

Conversions Part 1

Format	Color
Hex	E36E00
RGB	227, 110, 0
RGB Percent	89%, 43%, 0%
CMY	0.1098, 0.5686, 1.0000
CMYK	0.00, 0.52, 1.00, 0.11
HSL	29°, 100%, 45%
HSV	29°, 100%, 89%
XYZ	37.2545, 27.4828, 3.3412
YIQ	132.4430, 105.0420, -9.4060

Conversions

Conversions Part 2

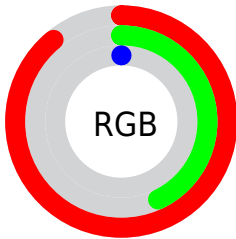
Format	Color
R_{YB}	227, 213, 0
Decimal	14904832
CIE _{Lab}	59.42, 40.84, 67.42
CIE _{LCh}	59, 78.821, 58.795
Yxy	27.4828, 0.5472, 0.4037
Android (android.graphics.Color)	4293094912 (0xFFE36E00)
YUV	132.4430, -65.2944, 82.9265
Hunter-Lab	52.4240, 35.1068, 32.9180

Details

The XYZ color **37.2545, 27.4828, 3.3412** 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 **20.2263, 18.2684, 75.1325**, and the grayscale version is **22.2959, 23.4571, 25.5447**.

A 20% lighter version of the original color is **55.3806, 47.8717, 11.7901**, and **16.8738, 11.0204, 1.2378** is the 20% darker color. If you saturate the color by 10%, you get **37.2546, 27.4835, 3.3413**, and if you desaturate by 10%, it is **38.7537, 30.2388, 4.5895**.

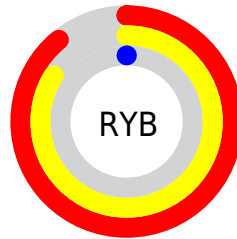
Distribution



Red (89%)

Green (43%)

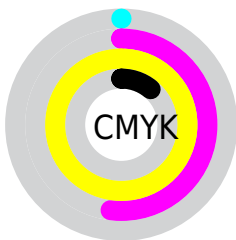
Blue (0%)



Red (89%)

Yellow (84%)

Blue (0%)

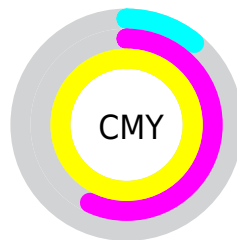


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (57%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2545, 27.4828, 3.3412 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 37.2545, 27.4828, 3.3412 by changing the saturation by 10% instead.


 37.2545, 27.4828,
3.3412


 37.2545, 27.4828,
3.3412


325.7475,
289.9872, 140.5943

 25.5792, 17.9362,
1.2714


 70.2753, 55.6576,
12.4594

 16.6401, 10.9042,
0.0382


 92.3515, 75.0546,
20.3448

 10.0719, 6.0024,
0.0000


 118.6254, 98.5038,
31.0058

 5.5093, 2.8466,
0.0000

 149.4624,
126.3897, 44.8610

 2.5869, 1.0522,
0.0000

 185.2277,
159.0965, 62.3290

 0.9393, 0.0000,
0.0000


 226.2867,


 0.0000, 0.0000,


197.0088, 83.8281


0.0000


 273.0049,
240.5109, 109.7770


 37.2545, 27.4828,
3.3412


 37.2545, 27.4828,
3.3412

 37.2546, 27.4835,
3.3413

 38.7537, 30.2388,
4.5895

 40.6032, 33.4101,
6.8327

 42.8666, 37.0328,
10.3748

 45.5825, 41.1311,
15.3906

 48.7837, 45.7267,
22.0279

■ 52.4996, 50.8396,
30.4158

■ 56.7569, 56.4881,
40.6705

■ 61.5801, 62.6897,
52.8980

■ 66.9920, 69.4608,
67.1963

Harmonies

Analogous

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



46.5618, 27.4828, 10.6210



37.2545, 27.4828, 3.3412



26.5233, 27.4828, 1.8298

Triad

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



37.2545, 27.4828, 3.3412



11.3578, 27.4828, 28.7941



36.3843, 27.4828, 107.4311

Complementary

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



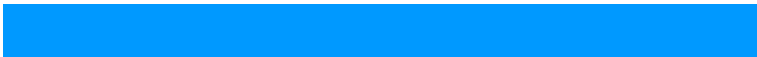
37.2545, 27.4828, 3.3412



20.2263, 18.2684, 75.1325

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.



25.7240, 27.4828, 123.9610



37.2545, 27.4828, 3.3412



12.7577, 27.4828, 64.5333

Square

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



37.2545, 27.4828, 3.3412



13.0072, 27.4828, 9.6579



17.4620, 27.4828, 104.7698



45.9767, 27.4828, 67.8993

Rectangle

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



37.2545, 27.4828, 3.3412



20.4656, 27.4828, 2.3159



17.4620, 27.4828, 104.7698



32.7339, 27.4828, 116.6562

Sweetspot

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



37.2551, 27.4843, 3.3417



73.7725, 73.3871, 52.6601



34.9061, 17.6220, 18.4797



15.2694, 15.0227, 9.9980



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.



37.2551, 27.4843, 3.3417



48.3943, 35.5685, 4.3148



58.1237, 69.2216, 10.2979



14.9505, 15.5150, 15.1112



21.8430, 16.2601, 1.9873



1.7068, 1.3869, 0.1777

Inverse Universe

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



20.2263, 18.2684, 75.1325



26.2238, 23.5675, 97.7746



13.9063, 5.6283, 73.0259



14.1941, 15.1096, 18.3127



11.9132, 10.8886, 43.8570



0.9733, 0.9905, 3.2719

Previews

White Background



This preview shows how the XYZ color 37.2545, 27.4828, 3.3412 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 37.2545, 27.4828, 3.3412 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 37.2545, 27.4828, 3.3412

Background



This preview shows how black text looks on a background with the XYZ color 37.2545, 27.4828, 3.3412.



This preview shows how white text looks on a background with the XYZ color 37.2545, 27.4828,

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

37.2545, 27.4828, 3.3412

Protanopia

24.9998, 27.6784, 4.6867

Deuteranopia

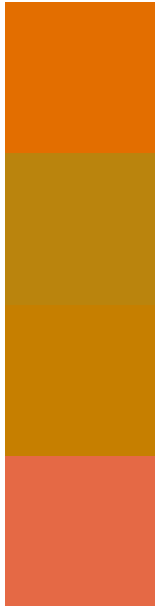
27.8602, 27.4321, 3.8265



Tritanopia

40.1448, 27.4299, 17.6466

Trichromacy



Original Color

37.2545, 27.4828, 3.3412

Protanomaly

28.5736, 26.9707, 4.0806

Deuteranomaly

30.8781, 27.1845, 3.6197

Tritanomaly

38.4389, 27.1908, 8.8526

Monochromacy



Original Color

37.2545, 27.4828, 3.3412

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.7442, 23.2709, 11.5751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2545, 27.4828, 3.3412 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, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 110, 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(227, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 110, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.2545, 27.4828, 3.3412 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, 110, 0) }
```


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

```
.border{ border-color:rgb(227, 110, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 110, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 110,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2545, 27.4828, 3.3412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 110, 0) }
```

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

```
.background{ background-color: rgb(227,  
110, 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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