

Converting Colors

XYZ(41.4129, 27.7449, 3.1726)

Have a look what the booklet for
XYZ(41.4129, 27.7449, 3.1726)
contains.

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Color

**XYZ(41.2368, 27.6041,
3.1547)**

Conversions

Conversions Part 1

Format	Color
Hex	F36100
RGB	243, 97, 0
RGB Percent	95%, 38%, 0%
CMY	0.0471, 0.6196, 1.0000
CMYK	0.00, 0.60, 1.00, 0.05
HSL	24°, 100%, 48%
HSV	24°, 100%, 95%
XYZ	41.2368, 27.6041, 3.1547
YIQ	129.5960, 118.1530, 0.7850

Conversions

Conversions Part 2

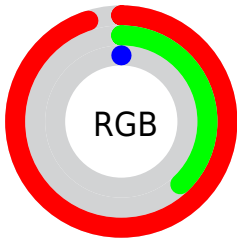
Format	Color
R_{YB}	243, 161, 0
Decimal	15950080
CIE _{Lab}	59.53, 52.96, 68.80
CIE _{LCh}	60, 86.819, 52.411
Yxy	27.6041, 0.5728, 0.3834
Android (android.graphics.Color)	4294140160 (0xFFFF36100)
YUV	129.5960, -63.8908, 99.4553
Hunter-Lab	52.5396, 48.1551, 33.2177

Details

The XYZ color **41.2368, 27.6041, 3.1547** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **26.4557, 27.0272, 88.6156**, and the grayscale version is **21.2659, 22.3734, 24.3647**.

A 20% lighter version of the original color is **53.4814, 44.1217, 11.0078**, and **19.1530, 11.0509, 1.1236** is the 20% darker color. If you saturate the color by 10%, you get **41.2370, 27.6051, 3.1549**, and if you desaturate by 10%, it is **42.8810, 30.6240, 4.5319**.

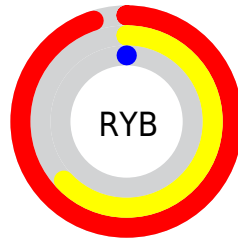
Distribution



Red (95%)

Green (38%)

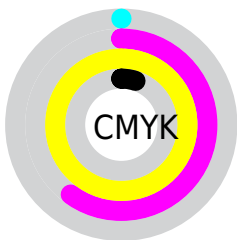
Blue (0%)



Red (95%)

Yellow (63%)

Blue (0%)

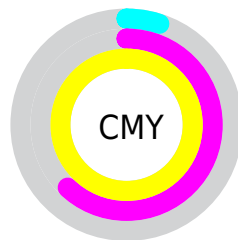


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2368, 27.6041, 3.1547 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 41.2368, 27.6041, 3.1547 by changing the saturation by 10% instead.


 41.2368, 27.6041,
3.1547


 41.2368, 27.6041,
3.1547


342.3550,
290.5703, 138.3072


 28.6926, 18.0274,
1.1742


 76.3157, 55.8517,
12.0078

 18.9915, 10.9697,
0.0000


 99.5811, 75.2915,
19.7175

 11.7681, 6.0465,
0.0000


 127.1510, 98.7878,
30.1740

 6.6571, 2.8733,
0.0000

 159.3907,
126.7249, 43.7958

 3.2930, 1.0660,
0.0000

 196.6657,
159.4874, 61.0015


 1.3105, 0.0000,
0.0000

 239.3411,


 0.1911, 0.0000,


197.4595, 82.2096


0.0000


 287.7825,
241.0256, 107.8386


 0.0000, 0.0000,
0.0000

 41.2368, 27.6041,
3.1547


 41.2368, 27.6041,
3.1547


 41.2370, 27.6051,
3.1549

 42.8810, 30.6240,
4.5319

 44.9954, 34.2479,
7.1013

 47.6577, 38.5273,
11.2116

 50.9182, 43.4997,
17.0721

 54.8199, 49.1991,
24.8590

■ 59.4014, 55.6567,
34.7267

■ 64.6979, 62.9018,
46.8136

■ 70.7418, 70.9616,
61.2461

■ 77.5635, 79.8622,
78.1411

Harmonies

Analogous

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



50.8192, 27.6041, 12.4696



41.2368, 27.6041, 3.1547



29.1079, 27.6041, 1.1724

Triad

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



41.2368, 27.6041, 3.1547



10.4458, 27.6041, 22.7952



35.0804, 27.6041, 126.9212

Complementary

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



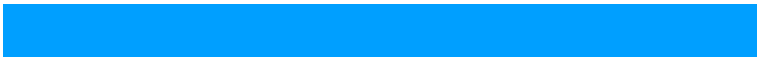
41.2368, 27.6041, 3.1547



26.4557, 27.0272, 88.6156

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.



23.5611, 27.6041, 137.6982



41.2368, 27.6041, 3.1547



11.2227, 27.6041, 59.2931

Square

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



41.2368, 27.6041, 3.1547



12.8713, 27.6041, 6.2776



15.4027, 27.6041, 107.2880



46.6320, 27.6041, 83.6609

Rectangle

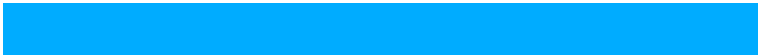
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.2368, 27.6041, 3.1547



21.9793, 27.6041, 1.2764



15.4027, 27.6041, 107.2880



31.0115, 27.6041, 135.2901

Sweetspot

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



41.2374, 27.6057, 3.1551



72.1363, 70.1146, 52.1147



42.4549, 21.2518, 30.6559



14.8847, 14.2533, 9.8697



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.



41.2374, 27.6057, 3.1551



45.9715, 30.7229, 3.5072



61.1731, 67.4772, 9.8004



17.0420, 17.5681, 17.2903



22.7558, 15.3972, 1.7726



2.0976, 1.5485, 0.1883

Inverse Universe

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



26.4557, 27.0272, 88.6156



29.4745, 30.0689, 98.8582



16.6013, 7.3185, 85.3308



16.4093, 17.5830, 21.0716



14.6552, 15.1042, 48.6810



1.3884, 1.5282, 4.3120

Previews

White Background



This preview shows how the XYZ color 41.2368, 27.6041, 3.1547 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 41.2368, 27.6041, 3.1547 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 41.2368, 27.6041, 3.1547

Background



This preview shows how black text looks on a background with the XYZ color 41.2368, 27.6041, 3.1547.



This preview shows how white text looks on a background with the XYZ color 41.2368, 27.6041,

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

41.2368, 27.6041, 3.1547

Protanopia

25.0384, 27.6938, 4.8899

Deuteranopia

28.2371, 27.8364, 3.8847



Tritanopia

43.4237, 27.5693, 14.0991

Trichromacy



Original Color

41.2368, 27.6041, 3.1547

Protanomaly

29.1615, 26.2896, 3.9894

Deuteranomaly

31.8614, 26.7564, 3.4852

Tritanomaly

42.0649, 27.3987, 7.4863

Monochromacy



Original Color

41.2368, 27.6041, 3.1547

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

24.8344, 22.2393, 11.1673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2368, 27.6041, 3.1547 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(243, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(243, 97, 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(243, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 97, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.2368, 27.6041, 3.1547 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(243, 97, 0) }
```


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

```
.border{ border-color:rgb(243, 97, 0) }
```

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

Here you see how a box with a 4 pixel rgb(243, 97, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(243, 97, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.2368, 27.6041, 3.1547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 97, 0) }
```

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

```
.background{ background-color: rgb(243, 97,  
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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