

Converting Colors

XYZ(40.9392, 29.4668, 6.9009)

Have a look what the booklet for
XYZ(40.9392, 29.4668, 6.9009)
contains.

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Color

**XYZ(40.9191, 29.4588,
6.8976)**

Conversions

Conversions Part 1

Format	Color
Hex	EC6F35
RGB	236, 111, 53
RGB Percent	93%, 44%, 21%
CMY	0.0745, 0.5647, 0.7921
CMYK	0.00, 0.53, 0.78, 0.07
HSL	19°, 83%, 57%
HSV	19°, 78%, 93%
XYZ	40.9191, 29.4588, 6.8976
YIQ	141.7630, 93.1180, 8.4620

Conversions

Conversions Part 2

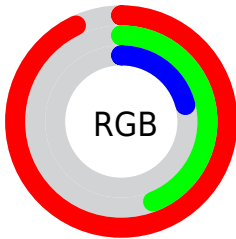
Format	Color
R _Y B	236, 138, 53
Decimal	15494965
CIE Lab	61.18, 44.85, 53.35
CIE LCh	61, 69.697, 49.946
Yxy	29.4588, 0.5295, 0.3812
Android (android.graphics.Color)	4293685045 (0xFFEC6F35)
YUV	141.7630, -43.7602, 82.6458
Hunter-Lab	54.2760, 39.5897, 30.4584

Details

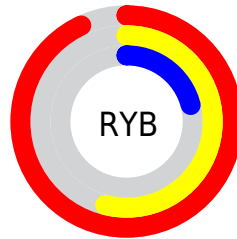
The XYZ color **40.9191, 29.4588, 6.8976** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **32.5275, 38.6510, 85.1022**, and the grayscale version is **25.7602, 27.1017, 29.5138**.

A 20% lighter version of the original color is **57.1433, 49.1495, 19.3070**, and **18.7975, 12.0122, 1.3278** is the 20% darker color. If you saturate the color by 10%, you get **38.9008, 26.0878, 4.1738**, and if you desaturate by 10%, it is **43.5232, 33.5746, 11.1343**.

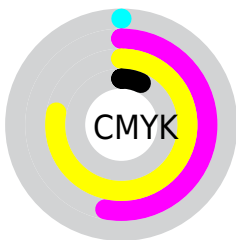
Distribution



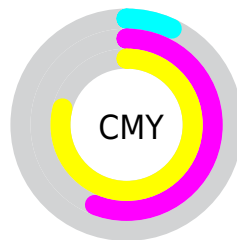
- Red (93%)
- Green (44%)
- Blue (21%)



- Red (93%)
- Yellow (54%)
- Blue (21%)



- Cyan (0%)
- Magenta (53%)
- Yellow (78%)
- Black (7%)





- Cyan (7%)
- Magenta (56%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9191, 29.4588, 6.8976 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 40.9191, 29.4588, 6.8976 by changing the saturation by 10% instead.


 40.9191, 29.4588,
6.8976


 40.9191, 29.4588,
6.8976


341.0507,
299.3736, 176.4086

 28.4433, 19.4282,
3.3207


 75.8366, 58.8052,
20.2763

 18.8022, 11.9801,
1.2606


 99.0089, 78.8898,
30.9151


 11.6306, 6.7301,
0.0292


 126.4774,
103.0946, 44.7449

 6.5631, 3.2939,
0.0000

 158.6075,
131.8038, 62.1843

 3.2343, 1.2870,
0.0000

 195.7646,
165.4019, 83.6519

 1.2788, 0.1311,
0.0000

 238.3139,

 0.1673, 0.0000,

204.2733, 109.5661

0.0000

286.6208,
248.8024, 140.3455

■ 0.0000, 0.0000,
0.0000

■ 40.9191, 29.4588,
6.8976

■ 40.9191, 29.4588,
6.8976

■ 38.9008, 26.0878,
4.1738

■ 43.5232, 33.5746,
11.1343

■ 37.4030, 23.4042,
2.7127


■ 46.7613, 38.4758,
17.0698


■ 37.0948, 22.8387,
2.4532


■ 50.6785, 44.2052,
24.8645


■ 55.3144, 50.8010,
34.6594

■ 60.7055, 58.2988,
46.5820

 66.8856, 66.7319,
60.7490

 73.8865, 76.1321,
77.2685

 81.7379, 86.5294,
96.2417

 88.4018, 96.5727,
108.5889

Harmonies

Analogous

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



48.0130, 29.4588, 17.7721



40.9191, 29.4588, 6.8976



31.1856, 29.4588, 3.6436

Triad

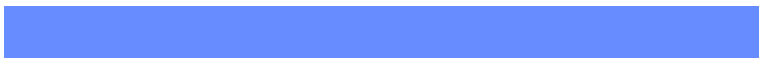
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.9191, 29.4588, 6.8976



14.0010, 29.4588, 24.0572



34.4420, 29.4588, 106.6015

Complementary

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



40.9191, 29.4588, 6.8976



32.5275, 38.6510, 85.1022

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.



25.0385, 29.4588, 111.6892



40.9191, 29.4588, 6.8976



14.5016, 29.4588, 52.5224

Square

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



40.9191, 29.4588, 6.8976



16.5745, 29.4588, 9.3466



18.1336, 29.4588, 88.1832



43.7448, 29.4588, 76.6656

Rectangle

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



40.9191, 29.4588, 6.8976



25.0690, 29.4588, 3.6397



18.1336, 29.4588, 88.1832



31.1504, 29.4588, 111.7272

Sweetspot

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



40.9198, 29.4604, 6.8981



75.5291, 73.8322, 62.7039



43.9059, 23.5955, 44.3861



15.6119, 15.0433, 12.1603



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.



40.9198, 29.4604, 6.8981



45.2642, 29.1357, 3.8039



56.4606, 60.5422, 12.0784



15.4551, 15.8333, 15.7603



20.5502, 12.7947, 1.3865



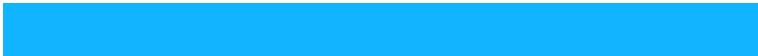
1.6973, 1.1720, 0.1368

Inverse Universe

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



32.5275, 38.6510, 85.1022



34.5833, 39.9205, 100.4904



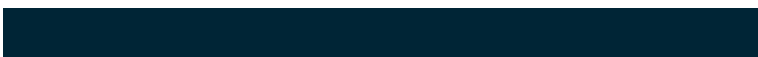
19.9805, 13.5570, 80.9199



15.0917, 16.2698, 19.2672



15.5109, 17.6687, 46.3359



1.3038, 1.5590, 3.6671

Previews

White Background



This preview shows how the XYZ color 40.9191, 29.4588, 6.8976 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 40.9191, 29.4588, 6.8976 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 40.9191, 29.4588, 6.8976

Background



This preview shows how black text looks on a background with the XYZ color 40.9191, 29.4588, 6.8976.



This preview shows how white text looks on a background with the XYZ color 40.9191, 29.4588,

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

40.9191, 29.4588, 6.8976

Protanopia

27.0324, 29.5493, 9.1293

Deuteranopia

30.2292, 29.6707, 6.5166



Tritanopia

43.5728, 29.6237, 18.7506

Trichromacy



Original Color

40.9191, 29.4588, 6.8976

Protanomaly

30.9654, 28.7306, 8.1885

Deuteranomaly

33.3976, 29.0079, 6.5282

Tritanomaly

42.4059, 29.4479, 13.3465

Monochromacy



Original Color

40.9191, 29.4588, 6.8976

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

28.8353, 26.5885, 18.3642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9191, 29.4588, 6.8976 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(236, 111, 53)` looks like.

```
.text, #text, p{  
    color:rgb(236, 111, 53)  
}
```

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(236, 111, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 111, 53) }
```

Border

The CSS property to change the border of an element to XYZ 40.9191, 29.4588, 6.8976 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(236, 111, 53) }
```


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

```
.border{ border-color:rgb(236, 111, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 111, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 111, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 111, 53);  
box-shadow:4px 4px 4px 4px rgb(236, 111,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9191, 29.4588, 6.8976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 111, 53) }
```

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

```
.background{ background-color: rgb(236,  
111, 53) }
```

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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