

Converting Colors

XYZ(39.7919, 27.6965, 4.7985)

Have a look what the booklet for
XYZ(39.7919, 27.6965, 4.7985)
contains.

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Color

**XYZ(39.7311, 27.6489,
4.7561)**

Conversions

Conversions Part 1

Format	Color
Hex	EC6722
RGB	236, 103, 34
RGB Percent	93%, 40%, 13%
CMY	0.0745, 0.5960, 0.8667
CMYK	0.00, 0.56, 0.86, 0.07
HSL	20°, 84%, 53%
HSV	20°, 86%, 93%
XYZ	39.7311, 27.6489, 4.7561
YIQ	134.9010, 101.4170, 6.7370

Conversions

Conversions Part 2

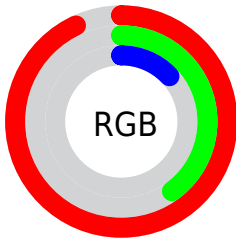
Format	Color
RYB	236, 139, 34
Decimal	15492898
CIELab	59.57, 48.12, 59.86
CIELCh	60, 76.801, 51.204
Yxy	27.6489, 0.5508, 0.3833
Android (android.graphics.Color)	4293682978 (0xFFEC6722)
YUV	134.9010, -49.7442, 88.6638
Hunter-Lab	52.5822, 42.8556, 31.4447

Details

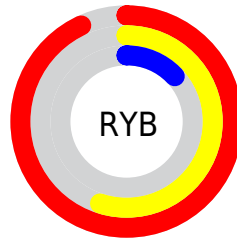
The XYZ color **39.7311, 27.6489, 4.7561** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **29.6175, 34.0312, 84.3640**, and the grayscale version is **23.1459, 24.3513, 26.5185**.

A 20% lighter version of the original color is **54.9767, 46.0458, 14.7942**, and **18.1116, 10.9673, 1.1623** is the 20% darker color. If you saturate the color by 10%, you get **38.0953, 24.7484, 3.0679**, and if you desaturate by 10%, it is **41.8884, 31.2201, 7.7685**.

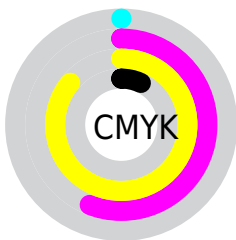
Distribution



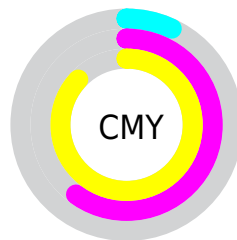
- Red (93%)
- Green (40%)
- Blue (13%)



- Red (93%)
- Yellow (55%)
- Blue (13%)



- Cyan (0%)
- Magenta (56%)
- Yellow (86%)
- Black (7%)





- Cyan (7%)
- Magenta (60%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7311, 27.6489, 4.7561 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 39.7311, 27.6489, 4.7561 by changing the saturation by 10% instead.


 39.7311, 27.6489,
4.7561


 39.7311, 27.6489,
4.7561


336.1428,
290.7854, 156.2914


 27.5122, 18.0612,
2.0487


 74.0408, 55.9234,
15.7191


 18.0969, 10.9939,
0.5850


 96.8624, 75.3790,
24.8117


 11.1197, 6.0627,
0.0000


 123.9489, 98.8926,
36.8698

 6.2153, 2.8833,
0.0000

 155.6656,
126.8487, 52.3119

 3.0183, 1.0711,
0.0000

 192.3781,
159.6316, 71.5566

 1.1635, 0.0000,
0.0000

 234.4515,

 0.0772, 0.0000,

197.6257, 95.0224

0.0000

282.2513,
241.2156, 123.1278

■ 0.0000, 0.0000,
0.0000

■ 39.7311, 27.6489,
4.7561

■ 39.7311, 27.6489,
4.7561

■ 38.0953, 24.7484,
3.0679

■ 41.8884, 31.2201,
7.7685

■ 37.5062, 23.6616,
2.5903

■ 44.6214, 35.5033,
12.3255

■ 47.9776, 40.5408,
18.6079

■ 51.9986, 46.3697,
26.7709

■ 56.7219, 53.0246,
36.9520

■ 62.1820, 60.5376,
49.2758

■ 68.4109, 68.9391,
63.8569

■ 75.4385, 78.2580,
80.8015

■ 83.2934, 88.5217,
100.2090

Harmonies

Analogous

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



47.6978, 27.6489, 14.6633



39.7311, 27.6489, 4.7561



29.2255, 27.6489, 2.1906

Triad

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



39.7311, 27.6489, 4.7561



11.8575, 27.6489, 22.6763



33.5925, 27.6489, 112.0070

Complementary

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



39.7311, 27.6489, 4.7561



29.6175, 34.0312, 84.3640

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.



23.5383, 27.6489, 119.3112



39.7311, 27.6489, 4.7561



12.4798, 27.6489, 53.7571

Square

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



39.7311, 27.6489, 4.7561



14.2911, 27.6489, 7.5523



16.2688, 27.6489, 93.5764



43.5923, 27.6489, 77.2943

Rectangle

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



39.7311, 27.6489, 4.7561



22.8305, 27.6489, 2.2590



16.2688, 27.6489, 93.5764



30.0594, 27.6489, 118.3406

Sweetspot

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



39.7317, 27.6505, 4.7566



73.7739, 71.6834, 57.9215



42.2941, 21.8290, 39.3567



15.2877, 14.6550, 11.2500



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.



39.7317, 27.6505, 4.7566



44.6573, 28.0947, 3.0691



56.0794, 60.3458, 10.2058



15.4861, 15.8952, 15.7706



20.7823, 13.2588, 1.4639



1.7184, 1.2141, 0.1438

Inverse Universe

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



29.6175, 34.0312, 84.3640



32.0318, 35.1836, 99.7106



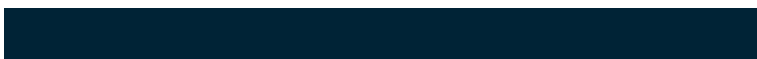
17.8471, 10.4905, 80.4406



15.0593, 16.2050, 19.2564



14.9663, 16.5795, 46.1543



1.2639, 1.4793, 3.6538

Previews

White Background



This preview shows how the XYZ color 39.7311, 27.6489, 4.7561 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 39.7311, 27.6489, 4.7561 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 39.7311, 27.6489, 4.7561

Background



This preview shows how black text looks on a background with the XYZ color 39.7311, 27.6489, 4.7561.



This preview shows how white text looks on a background with the XYZ color 39.7311, 27.6489,

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

39.7311, 27.6489, 4.7561

Protanopia

25.1258, 27.7054, 6.4063

Deuteranopia

28.1682, 27.5825, 4.2201



Tritanopia

41.8909, 27.5222, 15.9364

Trichromacy



Original Color

39.7311, 27.6489, 4.7561

Protanomaly

28.9723, 26.5451, 5.6042

Deuteranomaly

31.7001, 27.0260, 4.2552

Tritanomaly

40.7620, 27.4783, 10.3632

Monochromacy



Original Color

39.7311, 27.6489, 4.7561

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

26.3008, 23.8184, 14.7665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7311, 27.6489, 4.7561 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, 103, 34)` looks like.

```
.text, #text, p{  
    color:rgb(236, 103, 34)  
}
```

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, 103, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 103, 34) }
```

Border

The CSS property to change the border of an element to XYZ 39.7311, 27.6489, 4.7561 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, 103, 34) }
```


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

```
.border{ border-color:rgb(236, 103, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 103, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 103, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 103, 34);  
box-shadow:4px 4px 4px 4px rgb(236, 103,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7311, 27.6489, 4.7561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 103, 34) }
```

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

```
.background{ background-color: rgb(236,  
103, 34) }
```

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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