

Converting Colors

XYZ(59.0892, 39.0734, 7.0416)

Have a look what the booklet for
XYZ(59.0892, 39.0734, 7.0416)
contains.

XYZ(47.5273, 33.0456, 6.4582)	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(47.5273, 33.0456,
6.4582)**

Conversions

Conversions Part 1

Format	Color
Hex	FF702E
RGB	255, 112, 46
RGB Percent	100%, 44%, 18%
CMY	0.0000, 0.5607, 0.8196
CMYK	0.00, 0.56, 0.82, 0.00
HSL	19°, 100%, 59%
HSV	19°, 82%, 100%
XYZ	47.5273, 33.0456, 6.4582
YIQ	147.2330, 106.4140, 9.7900

Conversions

Conversions Part 2

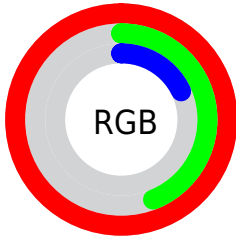
Format	Color
R _Y B	255, 142, 46
Decimal	16740398
CIE Lab	64.20, 51.18, 60.27
CIE LCh	64, 79.073, 49.665
Yxy	33.0456, 0.5461, 0.3797
Android (android.graphics.Color)	4294930478 (0xFFFF702E)
YUV	147.2330, -49.9079, 94.5117
Hunter-Lab	57.4853, 46.9797, 33.5788

Details

The XYZ color **47.5273, 33.0456, 6.4582** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **37.3725, 44.1925, 101.1673**, and the grayscale version is **28.0003, 29.4585, 32.0803**.

A 20% lighter version of the original color is **57.2633, 49.7793, 18.1455**, and **22.9989, 14.1025, 1.5099** is the 20% darker color. If you saturate the color by 10%, you get **45.4234, 29.4180, 3.9697**, and if you desaturate by 10%, it is **50.3036, 37.5420, 10.6410**.

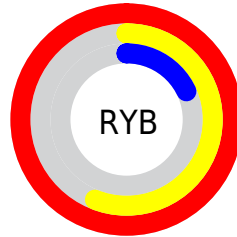
Distribution



Red (100%)

Green (44%)

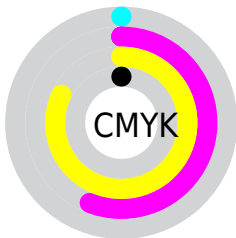
Blue (18%)



Red (100%)

Yellow (56%)

Blue (18%)

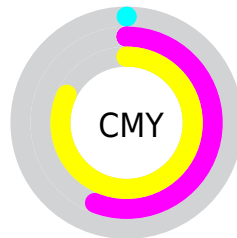


Cyan (0%)

Magenta (56%)

Yellow (82%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5273, 33.0456, 6.4582 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 47.5273, 33.0456, 6.4582 by changing the saturation by 10% instead.


 47.5273, 33.0456,
6.4582

 47.5273, 33.0456,
6.4582

367.5292,
315.8552, 172.5391


 33.6624, 22.1614,
3.0524


 85.7141, 64.4467,
19.3686


 22.7960, 13.9755,
1.1214


 110.7668, 85.7324,
29.7103


 14.5628, 8.1036,
0.0000


 140.2794,
111.2540, 43.2010

 8.5975, 4.1613,
0.0000

 174.6173,
141.3960, 60.2593

 4.5346, 1.7642,
0.0000

 214.1459,
176.5427, 81.3037

 2.0088, 0.4647,
0.0000

 259.2305,

 0.6389, 0.0000,

217.0785, 106.7528

0.0000

310.2365,
263.3879, 137.0250

■ 0.0000, 0.0000,
0.0000

■ 47.5273, 33.0456,
6.4582

■ 47.5273, 33.0456,
6.4582

■ 45.4234, 29.4180,
3.9697

■ 50.3036, 37.5420,
10.6410

■ 44.1477, 27.0760,
2.8993

■ 53.8159, 42.9598,
16.7653

■ 58.1215, 49.3531,
25.0385

■ 63.2710, 56.7697,
35.6405

■ 69.3100, 65.2541,
48.7323

76.2809, 74.8479,
64.4603

84.2231, 85.5905,
82.9595

93.1737, 97.5191,
104.3557

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



56.3916, 33.0456, 18.9495



47.5273, 33.0456, 6.4582



35.4367, 33.0456, 3.0113

Triad

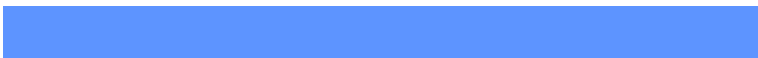
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.5273, 33.0456, 6.4582



14.6184, 33.0456, 26.0037



39.2347, 33.0456, 131.0314

Complementary

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



47.5273, 33.0456, 6.4582



37.3725, 44.1925, 101.1673

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.



27.6984, 33.0456, 137.2789



47.5273, 33.0456, 6.4582



15.1701, 33.0456, 61.0075

Square

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



47.5273, 33.0456, 6.4582



17.6773, 33.0456, 8.9908



19.4215, 33.0456, 106.5267



50.8700, 33.0456, 92.5492

Rectangle

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



47.5273, 33.0456, 6.4582



27.9275, 33.0456, 2.9874



19.4215, 33.0456, 106.5267



35.1681, 33.0456, 137.5855

Sweetspot

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



47.5280, 33.0475, 6.4587



74.0613, 71.8122, 59.3923



51.7644, 27.0330, 52.5332



15.3266, 14.6477, 11.5258



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.



47.5280, 33.0475, 6.4587



44.4402, 27.6158, 3.1346



65.5774, 69.1461, 12.4752



18.4775, 18.9232, 18.8230



23.1858, 14.3828, 1.5541



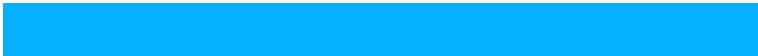
2.3507, 1.5867, 0.1824

Inverse Universe

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



37.3725, 44.1925, 101.1673



33.6538, 38.3328, 100.2330



22.6501, 14.7477, 96.2598



18.0426, 19.4569, 23.0546



17.5274, 19.9643, 52.3643



1.8048, 2.1402, 5.1313

Previews

White Background



This preview shows how the XYZ color 47.5273, 33.0456, 6.4582 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 47.5273, 33.0456, 6.4582 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.5273, 33.0456, 6.4582

Background



This preview shows how black text looks on a background with the XYZ color 47.5273, 33.0456, 6.4582.



This preview shows how white text looks on a background with the XYZ color 47.5273, 33.0456,

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

47.5273, 33.0456, 6.4582

Protanopia

30.1077, 33.0811, 8.8014

Deuteranopia

33.8766, 33.1544, 5.9805



Tritanopia

49.5350, 32.9903, 19.6766

Trichromacy



Original Color

47.5273, 33.0456, 6.4582

Protanomaly

34.6725, 31.7190, 7.7850

Deuteranomaly

37.9113, 32.3669, 5.9996

Tritanomaly

48.5118, 32.9185, 13.2483

Monochromacy



Original Color

47.5273, 33.0456, 6.4582

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

31.5893, 28.6151, 18.6102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5273, 33.0456, 6.4582 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(255, 112, 46)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 46)  
}
```

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(255, 112, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 46) }
```

Border

The CSS property to change the border of an element to XYZ 47.5273, 33.0456, 6.4582 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(255, 112, 46) }
```


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

```
.border{ border-color:rgb(255, 112, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 46);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5273, 33.0456, 6.4582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 46) }
```

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

```
.background{ background-color: rgb(255,  
112, 46) }
```

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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