

Converting Colors

XYZ(47.0458, 32.1443, 6.1079)

Have a look what the booklet for
XYZ(47.0458, 32.1443, 6.1079)
contains.

XYZ(47.0572, 32.1670, 6.1115)	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(47.0572, 32.1670,
6.1115)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6C2C
RGB	255, 108, 44
RGB Percent	100%, 42%, 17%
CMY	0.0000, 0.5764, 0.8274
CMYK	0.00, 0.58, 0.83, 0.00
HSL	18°, 100%, 59%
HSV	18°, 83%, 100%
XYZ	47.0572, 32.1670, 6.1115
YIQ	144.6570, 108.1560, 11.2600

Conversions

Conversions Part 2

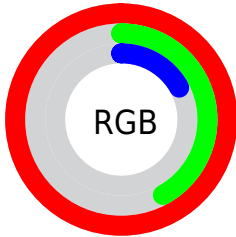
Format	Color
RYB	255, 136, 44
Decimal	16739372
CIELab	63.48, 52.96, 60.46
CIELCh	63, 80.374, 48.784
Yxy	32.1670, 0.5514, 0.3769
Android (android.graphics.Color)	4294929452 (0xFFFF6C2C)
YUV	144.6570, -49.6239, 96.7708
Hunter-Lab	56.7160, 48.8484, 33.3123

Details

The XYZ color **47.0572, 32.1670, 6.1115** 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 **37.7176, 45.0134, 101.3076**, and the grayscale version is **26.9399, 28.3429, 30.8654**.

A 20% lighter version of the original color is **56.4485, 48.2989, 17.4138**, and **22.5083, 13.4934, 1.4182** is the 20% darker color. If you saturate the color by 10%, you get **45.0299, 28.6589, 3.7524**, and if you desaturate by 10%, it is **49.7615, 36.5597, 10.1462**.

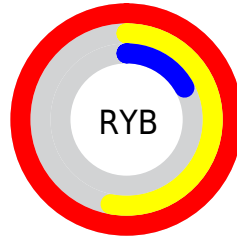
Distribution



Red (100%)

Green (42%)

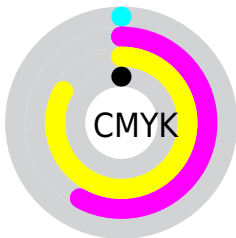
Blue (17%)



Red (100%)

Yellow (53%)

Blue (17%)

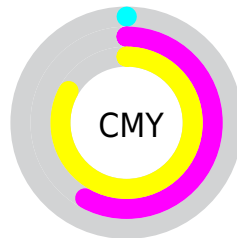


Cyan (0%)

Magenta (58%)

Yellow (83%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0572, 32.1670, 6.1115 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 47.0572, 32.1670, 6.1115 by changing the saturation by 10% instead.


 47.0572, 32.1670,
6.1115


 47.0572, 32.1670,
6.1115

365.6879,
311.8793, 169.4027


 33.2890, 21.4891,
2.8431


 85.0172, 63.0728,
18.6435

 22.5082, 13.4820,
1.0151


 109.9398, 84.0695,
28.7443


 14.3495, 7.7613,
0.0000


 139.3111,
109.2745, 41.9595

 8.4475, 3.9426,
0.0000

 173.4967,
139.0724, 58.7079

 4.4368, 1.6415,
0.0000

 212.8618,
173.8474, 79.4078

 1.9521, 0.3853,
0.0000

 257.7718,

 0.6068, 0.0000,

213.9839, 104.4779

0.0000

308.5920,
259.8664, 134.3367

■ 0.0000, 0.0000,
0.0000

■ 47.0572, 32.1670,
6.1115

■ 47.0572, 32.1670,
6.1115

■ 45.0299, 28.6589,
3.7524

■ 49.7615, 36.5597,
10.1462

■ 43.9185, 26.6175,
2.8229

■ 53.2088, 41.8930,
16.1086

■ 57.4582, 48.2237,
24.2090

■ 62.5616, 55.6022,
34.6297

■ 68.5662, 64.0751,
47.5330

75.5154, 73.6862,
63.0669

83.4498, 84.4766,
81.3673

92.4073, 96.4856,
102.5610

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.



55.8063, 32.1670, 18.6923



47.0572, 32.1670, 6.1115



34.9534, 32.1670, 2.6826

Triad

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



47.0572, 32.1670, 6.1115



13.9510, 32.1670, 24.3525



38.0393, 32.1670, 131.7648

Complementary

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



47.0572, 32.1670, 6.1115



37.7176, 45.0134, 101.3076

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.



26.5762, 32.1670, 136.9227



47.0572, 32.1670, 6.1115



14.3912, 32.1670, 58.8517

Square

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



47.0572, 32.1670, 6.1115



17.0755, 32.1670, 8.0890



18.4739, 32.1670, 104.8432



49.7853, 32.1670, 93.3456

Rectangle

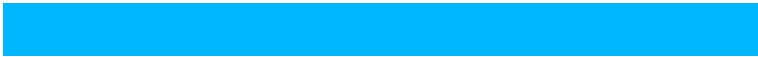
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.0572, 32.1670, 6.1115



27.4041, 32.1670, 2.6015



18.4739, 32.1670, 104.8432



33.9789, 32.1670, 138.0533

Sweetspot

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



47.0579, 32.1688, 6.1120



73.8638, 71.4172, 59.3264



51.6216, 26.8538, 52.1576



15.2802, 14.5549, 11.5104



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.



47.0579, 32.1688, 6.1120



44.0595, 26.8767, 2.9388



65.4382, 68.9295, 12.2388



18.4586, 18.8854, 18.8167



23.0627, 14.1366, 1.5131



2.3368, 1.5589, 0.1777

Inverse Universe

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



37.7176, 45.0134, 101.3076



34.0855, 39.2436, 100.3860



22.4325, 14.4432, 96.2125



18.0625, 19.4966, 23.0612



17.8510, 20.6115, 52.4722



1.8344, 2.1995, 5.1411

Previews

White Background



This preview shows how the XYZ color 47.0572, 32.1670, 6.1115 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 47.0572, 32.1670, 6.1115 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 47.0572, 32.1670, 6.1115

Background



This preview shows how black text looks on a background with the XYZ color 47.0572, 32.1670, 6.1115.



This preview shows how white text looks on a background with the XYZ color 47.0572, 32.1670,

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

47.0572, 32.1670, 6.1115

Protanopia

29.2827, 32.1674, 8.4069

Deuteranopia

32.7366, 32.1109, 5.5712



Tritanopia

48.9047, 32.0863, 18.3676

Trichromacy



Original Color

47.0572, 32.1670, 6.1115

Protanomaly

33.9226, 30.6958, 7.3858

Deuteranomaly

36.8589, 31.2170, 5.5962

Tritanomaly

47.9713, 32.0350, 12.4591

Monochromacy



Original Color

47.0572, 32.1670, 6.1115

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

30.9656, 27.8995, 17.9404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0572, 32.1670, 6.1115 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, 108, 44)` looks like.

```
.text, #text, p{  
    color:rgb(255, 108, 44)  
}
```

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, 108, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 108, 44) }
```

Border

The CSS property to change the border of an element to XYZ 47.0572, 32.1670, 6.1115 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, 108, 44) }
```


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

```
.border{ border-color:rgb(255, 108, 44) }
```

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

Here you see how a box with a 4 pixel rgb(255, 108, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 108, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 108, 44);  
box-shadow:4px 4px 4px 4px rgb(255, 108,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0572, 32.1670, 6.1115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 108, 44) }
```

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

```
.background{ background-color: rgb(255,  
108, 44) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor