

Converting Colors

XYZ(59.5808, 41.9920, 7.4281)

Have a look what the booklet for
XYZ(59.5808, 41.9920, 7.4281)
contains.

XYZ(49.3030, 36.6282, 6.9540)	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(49.3030, 36.6282,
6.9540)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7F2D
RGB	255, 127, 45
RGB Percent	100%, 50%, 18%
CMY	0.0000, 0.5019, 0.8235
CMYK	0.00, 0.50, 0.82, 0.00
HSL	23°, 100%, 59%
HSV	23°, 82%, 100%
XYZ	49.3030, 36.6282, 6.9540
YIQ	155.9240, 102.6100, 1.6340

Conversions

Conversions Part 2

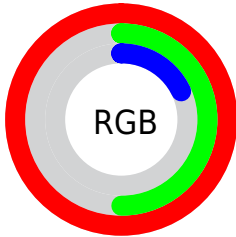
Format	Color
R _Y B	255, 180, 45
Decimal	16744237
CIE Lab	67.00, 44.00, 63.15
CIE LCh	67, 76.968, 55.137
Yxy	36.6282, 0.5308, 0.3943
Android (android.graphics.Color)	4294934317 (0xFFFF7F2D)
YUV	155.9240, -54.6855, 86.8897
Hunter-Lab	60.5212, 39.5010, 35.5523

Details

The XYZ color **49.3030, 36.6282, 6.9540** 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 **34.0744, 37.6625, 100.0806**, and the grayscale version is **31.7715, 33.4261, 36.4010**.

A 20% lighter version of the original color is **60.1726, 55.5977, 19.1153**, and **24.0019, 16.1085, 1.8442** is the 20% darker color. If you saturate the color by 10%, you get **47.0970, 32.7795, 4.4836**, and if you desaturate by 10%, it is **52.1162, 41.2186, 11.0870**.

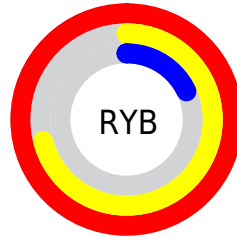
Distribution



Red (100%)

Green (50%)

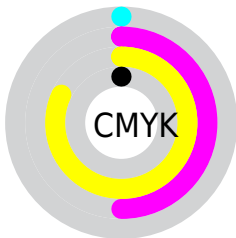
Blue (18%)



Red (100%)

Yellow (71%)

Blue (18%)

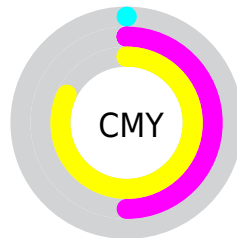


Cyan (0%)

Magenta (50%)

Yellow (82%)

Black (0%)



Cyan (0%)


Magenta (50%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3030, 36.6282, 6.9540 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 49.3030, 36.6282, 6.9540 by changing the saturation by 10% instead.


 49.3030, 36.6282,
6.9540


 49.3030, 36.6282,
6.9540


374.4311,
331.6980, 176.8973

 35.0754, 24.9198,
3.3553


 88.3393, 70.0006,
20.3919

 23.8878, 16.0173,
1.2788


 113.8788, 92.4333,
31.0682

 15.3747, 9.5364,
0.0443


 143.9196,
119.2096, 44.9408

 9.1708, 5.0927,
0.0000

 178.8271,
150.7138, 62.4283

 4.9107, 2.3017,
0.0000

 218.9666,
187.3304, 83.9491

 2.2292, 0.7746,
0.0000

 264.7036,

 0.7581, 0.0000,

229.4437, 109.9219

0.0000

316.4033,
277.4381, 140.7651

■ 0.0000, 0.0000,
0.0000

■ 49.3030, 36.6282,
6.9540

■ 49.3030, 36.6282,
6.9540

■ 47.0970, 32.7795,
4.4836

■ 52.1162, 41.2186,
11.0870

■ 45.7566, 30.2937,
3.4356

■ 55.5937, 46.5896,
17.1295

■ 59.7872, 52.7836,
25.2882

■ 64.7418, 59.8375,
35.7422

■ 70.4983, 67.7856,
48.6513

77.0944, 76.6601,
64.1609

84.5652, 86.4916,
82.4049

92.9435, 97.3089,
103.5079

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.



59.3759, 36.6282, 18.3156



49.3030, 36.6282, 6.9540



36.7539, 36.6282, 3.9858

Triad

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



49.3030, 36.6282, 6.9540



16.8812, 36.6282, 34.6711



45.2580, 36.6282, 131.1140

Complementary

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



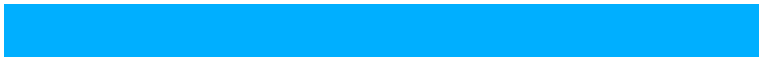
49.3030, 36.6282, 6.9540



34.0744, 37.6625, 100.0806

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.



32.9436, 36.6282, 144.5085



49.3030, 36.6282, 6.9540



18.1765, 36.6282, 73.9395

Square

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



49.3030, 36.6282, 6.9540



19.4398, 36.6282, 13.2469



23.4843, 36.6282, 119.4177



56.6978, 36.6282, 89.1370

Rectangle

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



49.3030, 36.6282, 6.9540



29.2699, 36.6282, 4.4325



23.4843, 36.6282, 119.4177



41.0174, 36.6282, 139.8390

Sweetspot

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



49.3038, 36.6302, 6.9546



75.2646, 74.2187, 59.7934



49.8670, 26.2123, 42.7319



15.6099, 15.2143, 11.6203



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.



49.3038, 36.6302, 6.9546



45.9207, 30.5990, 3.5591



70.1494, 78.3213, 13.9032



18.5911, 19.1504, 18.8609



24.0436, 16.0983, 1.8401



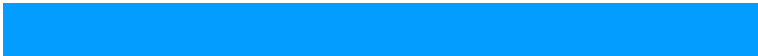
2.4435, 1.7724, 0.2133

Inverse Universe

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



34.0744, 37.6625, 100.0806



30.0403, 31.1532, 99.0376



21.2913, 12.0962, 95.8196



17.9245, 19.2206, 23.0152



15.7422, 16.3940, 51.7692



1.6391, 1.8089, 5.0760

Previews

White Background



This preview shows how the XYZ color 49.3030, 36.6282, 6.9540 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 49.3030, 36.6282, 6.9540 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 49.3030, 36.6282, 6.9540

Background



This preview shows how black text looks on a background with the XYZ color 49.3030, 36.6282, 6.9540.



This preview shows how white text looks on a background with the XYZ color 49.3030, 36.6282,

6.9540.

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

49.3030, 36.6282, 6.9540

Protanopia

33.4935, 36.8940, 8.9704

Deuteranopia

37.4495, 36.6743, 6.5439



Tritanopia

52.0398, 36.5197, 25.0751

Trichromacy



Original Color

49.3030, 36.6282, 6.9540

Protanomaly

37.9586, 35.9275, 8.0660

Deuteranomaly

41.1998, 36.2317, 6.5722

Tritanomaly

50.5276, 36.3078, 15.9003

Monochromacy



Original Color

49.3030, 36.6282, 6.9540

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

35.0160, 32.7182, 20.9927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3030, 36.6282, 6.9540 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, 127, 45)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 45)  
}
```

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, 127, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 45) }
```

Border

The CSS property to change the border of an element to XYZ 49.3030, 36.6282, 6.9540 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, 127, 45) }
```


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

```
.border{ border-color:rgb(255, 127, 45) }
```

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

Here you see how a box with a 4 pixel rgb(255, 127, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 45);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3030, 36.6282, 6.9540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 45) }
```

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

```
.background{ background-color: rgb(255,  
127, 45) }
```

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