

Converting Colors

XYZ(68.5406, 44.6835, 7.3069)

Have a look what the booklet for
XYZ(68.5406, 44.6835, 7.3069)
contains.

XYZ(48.0373, 34.1570, 6.3466)	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(48.0373, 34.1570,
6.3466)**

Conversions

Conversions Part 1

Format	Color
Hex	FF752B
RGB	255, 117, 43
RGB Percent	100%, 46%, 17%
CMY	0.0000, 0.5411, 0.8314
CMYK	0.00, 0.54, 0.83, 0.00
HSL	21°, 100%, 58%
HSV	21°, 83%, 100%
XYZ	48.0373, 34.1570, 6.3466
YIQ	149.8260, 106.0020, 6.2420

Conversions

Conversions Part 2

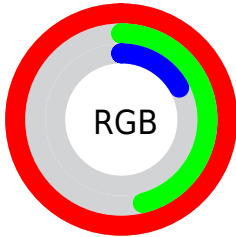
Format	Color
R_{YB}	255, 157, 43
Decimal	16741675
CIE _{Lab}	65.09, 48.76, 62.26
CIE _{LCh}	65, 79.082, 51.932
Yxy	34.1570, 0.5425, 0.3858
Android (android.graphics.Color)	4294931755 (0xFFFF752B)
YUV	149.8260, -52.6652, 92.2376
Hunter-Lab	58.4440, 44.4388, 34.4723

Details

The XYZ color **48.0373, 34.1570, 6.3466** 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 **35.5685, 40.7783, 100.6032**, and the grayscale version is **29.1017, 30.6172, 33.3422**.

A 20% lighter version of the original color is **58.0581, 51.5913, 17.7246**, and **23.3193, 14.7432, 1.6167** is the 20% darker color. If you saturate the color by 10%, you get **45.9415, 30.4952, 4.0159**, and if you desaturate by 10%, it is **50.7693, 38.6251, 10.3291**.

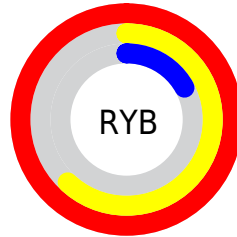
Distribution



Red (100%)

Green (46%)

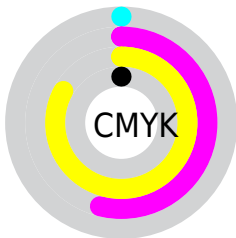
Blue (17%)



Red (100%)

Yellow (62%)

Blue (17%)

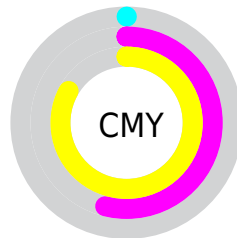


Cyan (0%)

Magenta (54%)

Yellow (83%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0373, 34.1570, 6.3466 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 48.0373, 34.1570, 6.3466 by changing the saturation by 10% instead.


 48.0373, 34.1570,
6.3466

 48.0373, 34.1570,
6.3466


369.5201,
320.8315, 171.5378


 34.0678, 23.0142,
2.9848


 86.4693, 66.1777,
19.1361


 23.1088, 14.6040,
1.0869


 111.6625, 87.8245,
29.4009


 14.7950, 8.5420,
0.0000


 141.3277,
113.7414, 42.8037

 8.7610, 4.4436,
0.0000

 175.8301,
144.3128, 59.7632

 4.6415, 1.9247,
0.0000

 215.5352,
179.9231, 80.6978

 2.0711, 0.5632,
0.0000

 260.8084,

 0.6734, 0.0000,

220.9568, 106.0261

0.0000

312.0149,
267.7981, 136.1666

■ 0.0000, 0.0000,
0.0000

■ 48.0373, 34.1570,
6.3466

■ 48.0373, 34.1570,
6.3466

■ 45.9415, 30.4952,
4.0159

■ 50.7693, 38.6251,
10.3291


■ 44.8135, 28.4076,
3.1213


■ 54.1992, 43.9462,
16.2160


■ 58.3823, 50.1692,
24.2178

■ 63.3670, 57.3369,
34.5162

■ 69.1970, 65.4893,
47.2732

 75.9128, 74.6638,
62.6361

 83.5520, 84.8956,
80.7404

 92.1498, 96.2182,
101.7121

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



57.4984, 34.1570, 18.2481



48.0373, 34.1570, 6.3466



35.6575, 34.1570, 3.1667

Triad

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



48.0373, 34.1570, 6.3466



15.1692, 34.1570, 29.0176



41.4112, 34.1570, 131.8300

Complementary

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



48.0373, 34.1570, 6.3466



35.5685, 40.7783, 100.6032

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.



29.4693, 34.1570, 141.2100



48.0373, 34.1570, 6.3466



16.0133, 34.1570, 66.0948

Square

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



48.0373, 34.1570, 6.3466



18.0229, 34.1570, 10.2709



20.6846, 34.1570, 112.2902



53.0885, 34.1570, 91.2580

Rectangle

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



48.0373, 34.1570, 6.3466



28.1190, 34.1570, 3.3119



20.6846, 34.1570, 112.2902



37.2377, 34.1570, 139.4196

Sweetspot

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



48.0381, 34.1589, 6.3472



74.5929, 72.8754, 59.5695



50.7903, 26.4624, 47.9617



15.4516, 14.8977, 11.5675



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.



48.0381, 34.1589, 6.3472



44.8139, 28.4079, 3.1213



67.1814, 72.4456, 12.7283



18.5280, 19.0241, 18.8398



23.5419, 15.0951, 1.6729



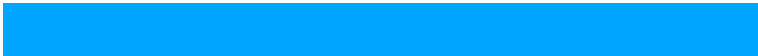
2.3899, 1.6652, 0.1955

Inverse Universe

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



35.5685, 40.7783, 100.6032



31.6828, 34.4856, 99.5943



21.7945, 13.2301, 96.0119



17.9899, 19.3514, 23.0370



16.7002, 18.3100, 52.0886



1.7285, 1.9877, 5.1058

Previews

White Background



This preview shows how the XYZ color 48.0373, 34.1570, 6.3466 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 48.0373, 34.1570, 6.3466 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 48.0373, 34.1570, 6.3466

Background



This preview shows how black text looks on a background with the XYZ color 48.0373, 34.1570, 6.3466.



This preview shows how white text looks on a background with the XYZ color 48.0373, 34.1570,

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

48.0373, 34.1570, 6.3466

Protanopia

31.1955, 34.4097, 8.4876

Deuteranopia

34.9354, 34.1759, 5.8539



Tritanopia

50.3639, 34.1803, 21.3957

Trichromacy



Original Color

48.0373, 34.1570, 6.3466

Protanomaly

35.7258, 33.1559, 7.5344

Deuteranomaly

38.8782, 33.5024, 5.8564

Tritanomaly

49.1456, 34.0500, 13.8796

Monochromacy



Original Color

48.0373, 34.1570, 6.3466

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

32.6968, 30.0160, 19.1093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0373, 34.1570, 6.3466 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, 117, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 43)  
}
```

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, 117, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 43) }
```

Border

The CSS property to change the border of an element to XYZ 48.0373, 34.1570, 6.3466 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, 117, 43) }
```


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

```
.border{ border-color:rgb(255, 117, 43) }
```

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

Here you see how a box with a 4 pixel rgb(255, 117, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0373, 34.1570, 6.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 43) }
```

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

```
.background{ background-color: rgb(255,  
117, 43) }
```

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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