

Converting Colors

XYZ(46.6212, 32.3837, 7.9333)

Have a look what the booklet for
XYZ(46.6212, 32.3837, 7.9333)
contains.

XYZ(46.6187, 32.3801, 7.9306)	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(46.6187, 32.3801,
7.9306)**

Conversions

Conversions Part 1

Format	Color
Hex	FC6F3B
RGB	252, 111, 59
RGB Percent	99%, 44%, 23%
CMY	0.0118, 0.5647, 0.7686
CMYK	0.00, 0.56, 0.77, 0.01
HSL	16°, 97%, 61%
HSV	16°, 77%, 99%
XYZ	46.6187, 32.3801, 7.9306
YIQ	147.2310, 100.7280, 13.7200

Conversions

Conversions Part 2

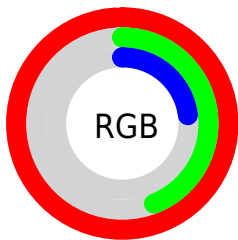
Format	Color
R_{YB}	252, 130, 59
Decimal	16543547
CIE _{Lab}	63.66, 50.97, 53.81
CIE _{LCh}	64, 74.121, 46.554
Yxy	32.3801, 0.5363, 0.3725
Android (android.graphics.Color)	4294733627 (0xFFFC6F3B)
YUV	147.2310, -43.4979, 91.8824
Hunter-Lab	56.9035, 46.6565, 31.5693

Details

The XYZ color **46.6187, 32.3801, 7.9306** 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 **40.0266, 49.2628, 99.4937**, and the grayscale version is **27.9753, 29.4322, 32.0517**.

A 20% lighter version of the original color is **57.6365, 49.6366, 21.0110**, and **22.2296, 13.6286, 1.6025** is the 20% darker color. If you saturate the color by 10%, you get **44.3097, 28.5683, 4.6773**, and if you desaturate by 10%, it is **49.6582, 37.1495, 12.9823**.

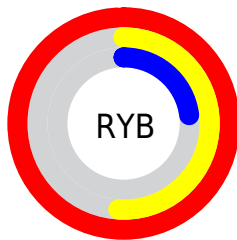
Distribution



Red (99%)

Green (44%)

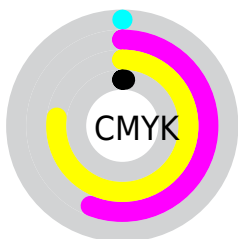
Blue (23%)



Red (99%)

Yellow (51%)

Blue (23%)

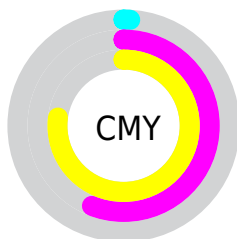


Cyan (0%)

Magenta (56%)

Yellow (77%)

Black (1%)



Cyan (1%)


Magenta (56%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6187, 32.3801, 7.9306 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 46.6187, 32.3801, 7.9306 by changing the saturation by 10% instead.


 46.6187, 32.3801,
7.9306


 46.6187, 32.3801,
7.9306


363.9649,
312.8471, 185.1009

 32.9410, 21.6520,
3.9634


 84.3664, 63.4065,
22.3662

 22.2403, 13.6014,
1.6053


 109.1671, 84.4736,
33.6717


 14.1511, 7.8440,
0.2946


 138.4062,
109.7557, 48.2604

 8.3083, 3.9953,
0.0000

 172.4490,
139.6374, 66.5509

 4.3463, 1.6709,
0.0000

 211.6610,
174.5030, 88.9616

 1.8998, 0.4047,
0.0000

 256.4073,

 0.5767, 0.0000,

214.7369, 115.9112

0.0000

307.0535,
260.7235, 147.8181

■ 0.0000, 0.0000,
0.0000

■ 46.6187, 32.3801,
7.9306

■ 46.6187, 32.3801,
7.9306

■ 44.3097, 28.5683,
4.6773

■ 49.6582, 37.1495,
12.9823

■ 42.6532, 25.6372,
2.9474

■ 53.4894, 42.9338,
20.0495

■ 42.2060, 24.8182,
2.5659

■ 58.1690, 49.7919,
29.3198

■ 63.7473, 57.7764,
40.9588

■ 70.2706, 66.9361,
55.1160

■ 77.7818, 77.3170,
71.9284

■ 86.3209, 88.9625,
91.5234

■ 93.9545, 99.4353,
108.8487

Harmonies

Analogous

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



54.1087, 32.3801, 21.3652



46.6187, 32.3801, 7.9306



35.6478, 32.3801, 3.7807

Triad

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



46.6187, 32.3801, 7.9306



15.1760, 32.3801, 23.5785



36.8116, 32.3801, 123.1635

Complementary

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



46.6187, 32.3801, 7.9306



40.0266, 49.2628, 99.4937

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.



26.3702, 32.3801, 125.0171



46.6187, 32.3801, 7.9306



15.3513, 32.3801, 54.1493

Square

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



46.6187, 32.3801, 7.9306



18.4549, 32.3801, 8.7679



19.0037, 32.3801, 95.0605



47.6339, 32.3801, 90.8834

Rectangle

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



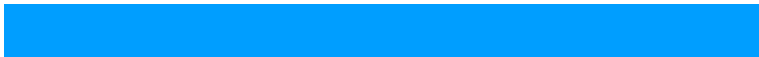
46.6187, 32.3801, 7.9306



28.5570, 32.3801, 3.5180



19.0037, 32.3801, 95.0605



33.1077, 32.3801, 127.8090

Sweetspot

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



46.6194, 32.3819, 7.9311



74.8258, 72.4257, 62.4695



52.1963, 28.0185, 57.6279



15.4447, 14.7089, 12.1045



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.



46.6194, 32.3819, 7.9311



44.5106, 27.5935, 3.6607



63.2387, 65.6204, 13.4709



17.6251, 17.9860, 18.0051



22.0892, 13.1350, 1.3711



2.1295, 1.3838, 0.1549

Inverse Universe

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



40.0266, 49.2628, 99.4937



37.1485, 44.9766, 101.3312



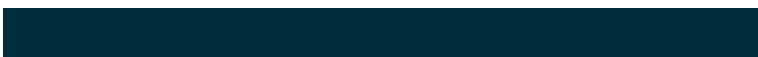
24.3281, 17.8657, 94.2608



17.3470, 18.7709, 22.0942



18.2198, 21.7953, 51.2202



1.7750, 2.1937, 4.7730

Previews

White Background



This preview shows how the XYZ color 46.6187, 32.3801, 7.9306 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 46.6187, 32.3801, 7.9306 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 46.6187, 32.3801, 7.9306

Background



This preview shows how black text looks on a background with the XYZ color 46.6187, 32.3801, 7.9306.



This preview shows how white text looks on a background with the XYZ color 46.6187, 32.3801,

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

46.6187, 32.3801, 7.9306

Protanopia

29.6856, 32.5685, 10.8526

Deuteranopia

33.2362, 32.5585, 7.4384



Tritanopia

48.8493, 32.3438, 18.9976

Trichromacy



Original Color

46.6187, 32.3801, 7.9306

Protanomaly

34.0652, 31.1498, 9.5273

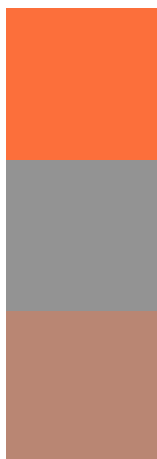
Deuteranomaly

37.1920, 31.7543, 7.5371

Tritanomaly

47.7415, 32.1884, 14.0526

Monochromacy



Original Color

46.6187, 32.3801, 7.9306

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

31.6272, 28.6023, 20.0735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6187, 32.3801, 7.9306 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(252, 111, 59)` looks like.

```
.text, #text, p{  
    color:rgb(252, 111, 59)  
}
```

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(252, 111, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 111, 59) }
```

Border

The CSS property to change the border of an element to XYZ 46.6187, 32.3801, 7.9306 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(252, 111, 59) }
```


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

```
.border{ border-color:rgb(252, 111, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 111, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 111, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 111, 59);  
box-shadow:4px 4px 4px 4px rgb(252, 111,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6187, 32.3801, 7.9306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 111, 59) }
```

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

```
.background{ background-color: rgb(252,  
111, 59) }
```

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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