

Converting Colors

XYZ(46.8914, 32.8005, 10.1630)

Have a look what the booklet for
XYZ(46.8914, 32.8005, 10.1630)
contains.

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Color

**XYZ(46.8914, 32.8005,
10.1630)**

Conversions

Conversions Part 1

Format	Color
Hex	FB7149
RGB	251, 113, 73
RGB Percent	98%, 44%, 29%
CMY	0.0157, 0.5568, 0.7137
CMYK	0.00, 0.55, 0.71, 0.02
HSL	13°, 96%, 64%
HSV	13°, 71%, 98%
XYZ	46.8914, 32.8005, 10.1630
YIQ	149.7020, 95.0880, 16.8160

Conversions

Conversions Part 2

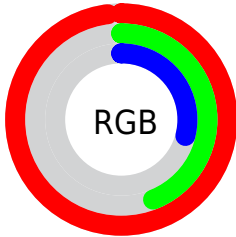
Format	Color
R _Y B	251, 125, 73
Decimal	16478537
CIE Lab	64.00, 50.26, 47.21
CIE LCh	64, 68.953, 43.206
Yxy	32.8005, 0.5219, 0.3650
Android (android.graphics.Color)	4294668617 (0xFFFB7149)
YUV	149.7020, -37.8141, 88.8383
Hunter-Lab	57.2717, 45.9219, 29.5691

Details

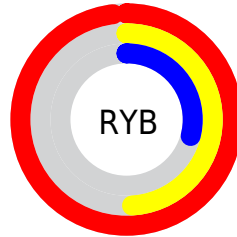
The XYZ color **46.8914, 32.8005, 10.1630** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **43.4526, 54.9662, 99.5856**, and the grayscale version is **28.9911, 30.5009, 33.2155**.

A 20% lighter version of the original color is **58.8178, 50.6953, 25.4240**, and **22.4785, 13.8895, 2.4159** is the 20% darker color. If you saturate the color by 10%, you get **44.2777, 28.6473, 5.9814**, and if you desaturate by 10%, it is **50.3075, 38.0223, 16.2679**.

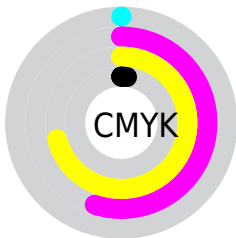
Distribution



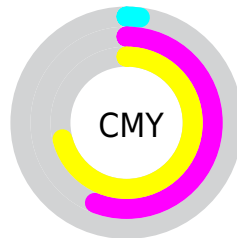
- Red (98%)
- Green (44%)
- Blue (29%)



- Red (98%)
- Yellow (49%)
- Blue (29%)



- Cyan (0%)
- Magenta (55%)
- Yellow (71%)
- Black (2%)





- Cyan (2%)
- Magenta (56%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8914, 32.8005, 10.1630 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 46.8914, 32.8005, 10.1630 by changing the saturation by 10% instead.


 46.8914, 32.8005,
10.1630


 46.8914, 32.8005,
10.1630


365.0370,
314.7498, 202.3584


 33.1574, 21.9737,
5.4001


 84.7712, 64.0639,
26.7142


 22.4069, 13.8375,
2.4211


 109.6478, 85.2693,
39.3397


 14.2744, 8.0078,
0.7979


 138.9692,
110.7030, 55.4231

 8.3948, 4.0999,
0.0000

 173.1008,
140.7494, 75.3830

 4.4025, 1.7296,
0.0000

 212.4081,
175.7929, 99.6380

 1.9323, 0.4427,
0.0000

257.2563,

 0.5955, 0.0000,

216.2178, 128.6065

0.0000

308.0108,
262.4087, 162.7071

■ 0.0000, 0.0000,
0.0000

■ 46.8914, 32.8005,
10.1630

■ 46.8914, 32.8005,
10.1630

■ 44.2777, 28.6473,
5.9814

■ 50.3075, 38.0223,
16.2679

■ 42.3910, 25.4800,
3.4841


■ 54.5873, 44.3765,
24.4934


■ 41.2178, 23.3779,
2.3400


■ 59.7881, 51.9278,
35.0140

■ 65.9615, 60.7346,
47.9854

■ 73.1553, 70.8513,
63.5495

 81.4137, 82.3289,
81.8377

 90.7786, 95.2159,
102.9721

 93.5934, 99.2491,
108.8318

Harmonies

Analogous

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



53.1582, 32.8005, 24.8222



46.8914, 32.8005, 10.1630



36.8978, 32.8005, 5.0626

Triad

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



46.8914, 32.8005, 10.1630



16.4802, 32.8005, 22.3661



35.6466, 32.8005, 117.3556

Complementary

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



46.8914, 32.8005, 10.1630



43.4526, 54.9662, 99.5856

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.



26.0784, 32.8005, 115.4474



46.8914, 32.8005, 10.1630



16.2828, 32.8005, 49.4010

Square

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



46.8914, 32.8005, 10.1630



20.0448, 32.8005, 9.1711



19.4342, 32.8005, 86.3657



45.8127, 32.8005, 90.7093

Rectangle

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



46.8914, 32.8005, 10.1630



30.1417, 32.8005, 4.4876



19.4342, 32.8005, 86.3657



32.2335, 32.8005, 120.3257

Sweetspot

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



46.8921, 32.8023, 10.1636



75.7523, 73.3316, 65.6981



54.1045, 30.0497, 65.5228



15.7505, 15.0468, 13.0502



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.



46.8921, 32.8023, 10.1636



44.9994, 28.2126, 4.9288



61.7718, 62.5617, 15.1234



17.5610, 17.8579, 17.9837



21.7546, 12.4658, 1.2596



2.0906, 1.3060, 0.1419

Inverse Universe

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



43.4526, 54.9662, 99.5856



40.9981, 51.9158, 102.4677



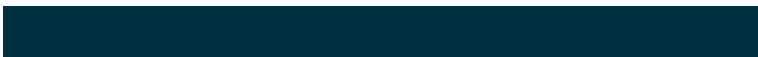
27.2972, 22.6554, 94.2005



17.4155, 18.9079, 22.1170



19.4760, 24.3076, 51.6389



1.8821, 2.4078, 4.8087

Previews

White Background



This preview shows how the XYZ color 46.8914, 32.8005, 10.1630 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 46.8914, 32.8005, 10.1630 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 46.8914, 32.8005, 10.1630

Background



This preview shows how black text looks on a background with the XYZ color 46.8914, 32.8005, 10.1630.



This preview shows how white text looks on a background with the XYZ color 46.8914, 32.8005,

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

46.8914, 32.8005, 10.1630

Protanopia

30.4034, 33.1230, 13.8078

Deuteranopia

33.5364, 32.8989, 9.5836



Tritanopia

48.9651, 32.8456, 19.9787

Trichromacy



Original Color

46.8914, 32.8005, 10.1630

Protanomaly

34.7205, 31.6447, 12.2607

Deuteranomaly

37.4389, 32.0414, 9.6802

Tritanomaly

48.0211, 32.7674, 15.8503

Monochromacy



Original Color

46.8914, 32.8005, 10.1630

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

32.9520, 29.8613, 22.4394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8914, 32.8005, 10.1630 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(251, 113, 73)` looks like.

```
.text, #text, p{  
    color:rgb(251, 113, 73)  
}
```

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(251, 113, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 113, 73) }
```

Border

The CSS property to change the border of an element to XYZ 46.8914, 32.8005, 10.1630 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(251, 113, 73) }
```


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

```
.border{ border-color:rgb(251, 113, 73) }
```

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

Here you see how a box with a 4 pixel rgb(251, 113, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 113, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 113, 73);  
box-shadow:4px 4px 4px 4px rgb(251, 113,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8914, 32.8005, 10.1630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 113, 73) }
```

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

```
.background{ background-color: rgb(251,  
113, 73) }
```

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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