

Converting Colors

XYZ(46.7445, 31.1869, 9.4261)

Have a look what the booklet for
XYZ(46.7445, 31.1869, 9.4261)
contains.

XYZ(46.8288, 31.2135, 9.3510)	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(46.8288, 31.2135,
9.3510)**

Conversions

Conversions Part 1

Format	Color
Hex	FE6746
RGB	254, 103, 70
RGB Percent	100%, 40%, 27%
CMY	0.0039, 0.5960, 0.7255
CMYK	0.00, 0.59, 0.72, 0.00
HSL	11°, 99%, 64%
HSV	11°, 72%, 100%
XYZ	46.8288, 31.2135, 9.3510
YIQ	144.3870, 100.5890, 21.7490

Conversions

Conversions Part 2

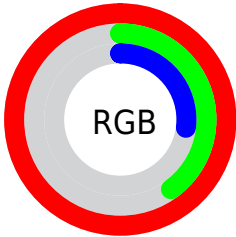
Format	Color
RYB	254, 110, 70
Decimal	16672582
CIELab	62.69, 55.74, 47.43
CIElCh	63, 73.185, 40.396
Yxy	31.2135, 0.5358, 0.3572
Android (android.graphics.Color)	4294862662 (0xFFFE6746)
YUV	144.3870, -36.6728, 96.1306
Hunter-Lab	55.8690, 51.8459, 29.1848

Details

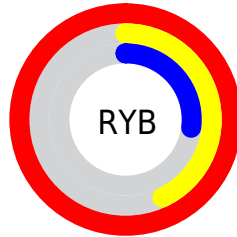
The XYZ color **46.8288, 31.2135, 9.3510** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **46.2693, 60.1661, 102.9399**, and the grayscale version is **26.7816, 28.1764, 30.6841**.

A 20% lighter version of the original color is **57.0283, 47.4123, 23.9151**, and **22.3669, 12.9630, 2.1339** is the 20% darker color. If you saturate the color by 10%, you get **44.3686, 27.3168, 5.3767**, and if you desaturate by 10%, it is **50.1458, 36.2826, 15.2826**.

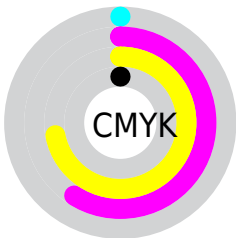
Distribution



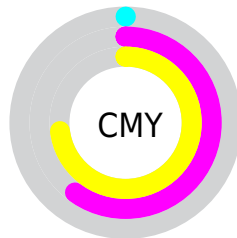
- Red (100%)
- Green (40%)
- Blue (27%)



- Red (100%)
- Yellow (43%)
- Blue (27%)



- Cyan (0%)
- Magenta (59%)
- Yellow (72%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8288, 31.2135, 9.3510 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 46.8288, 31.2135, 9.3510 by changing the saturation by 10% instead.


 46.8288, 31.2135,
9.3510


 46.8288, 31.2135,
9.3510


364.7911,
307.5207, 196.2886

 33.1077, 20.7615,
4.8709


 84.6783, 61.5761,
25.1559


 22.3686, 12.9498,
2.1143


 109.5375, 82.2554,
37.3177


 14.2461, 7.3940,
0.6243


 138.8400,
107.1126, 52.8772

 8.3749, 3.7097,
0.0000

 172.9513,
136.5321, 72.2529

 4.3896, 1.5125,
0.0000

 212.2367,
170.8982, 95.8634

 1.9248, 0.2975,
0.0000

257.0616,

 0.5912, 0.0000,

210.5955, 124.1271

0.0000

307.7912,
256.0081, 157.4627

■ 0.0000, 0.0000,
0.0000

■ 46.8288, 31.2135,
9.3510

■ 46.8288, 31.2135,
9.3510

■ 44.3686, 27.3168,
5.3767

■ 50.1458, 36.2826,
15.2826

■ 42.6781, 24.4904,
3.1029


■ 54.3908, 42.6043,
23.3820


■ 41.8329, 22.9909,
2.2329

■ 59.6294, 50.2575,
33.8340

■ 65.9206, 59.3132,
46.8033

■ 73.3186, 69.8372,
62.4395

 81.8739, 81.8911,
80.8806

 91.6339, 95.5331,
102.2550

94.6828, 99.8107,
108.8828

Harmonies

Analogous

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



52.8496, 31.2135, 24.9963



46.8288, 31.2135, 9.3510



36.5889, 31.2135, 4.0433

Triad

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



46.8288, 31.2135, 9.3510



15.0043, 31.2135, 18.6707



33.2696, 31.2135, 121.8648

Complementary

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



46.8288, 31.2135, 9.3510



46.2693, 60.1661, 102.9399

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.



23.6791, 31.2135, 116.5887



46.8288, 31.2135, 9.3510



14.5034, 31.2135, 44.9082

Square

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



46.8288, 31.2135, 9.3510



18.8809, 31.2135, 6.9505



17.3133, 31.2135, 83.5432



43.9349, 31.2135, 95.4399

Rectangle

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



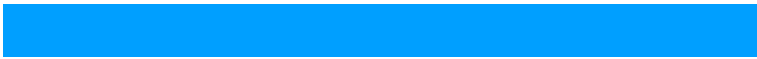
46.8288, 31.2135, 9.3510



29.5351, 31.2135, 3.3204



17.3133, 31.2135, 83.5432



29.8003, 31.2135, 123.9890

Sweetspot

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



46.8295, 31.2153, 9.3515



74.3288, 70.9621, 63.7515



56.4273, 30.7969, 73.0180



15.4489, 14.5364, 12.6638



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.



46.8295, 31.2153, 9.3515



43.8958, 26.1290, 4.1797



60.9747, 59.5056, 14.0666



18.2728, 18.5138, 18.7548



22.1297, 12.2706, 1.2021



2.2229, 1.3311, 0.1398

Inverse Universe

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



46.2693, 60.1661, 102.9399



43.0338, 56.2494, 103.1968



28.5764, 24.7803, 97.0423



18.2614, 19.8944, 23.1275



21.4785, 27.8666, 53.6813



2.1604, 2.8514, 5.2498

Previews

White Background



This preview shows how the XYZ color 46.8288, 31.2135, 9.3510 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 46.8288, 31.2135, 9.3510 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 46.8288, 31.2135, 9.3510

Background



This preview shows how black text looks on a background with the XYZ color 46.8288, 31.2135, 9.3510.



This preview shows how white text looks on a background with the XYZ color 46.8288, 31.2135,

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

46.8288, 31.2135, 9.3510

Protanopia

28.8443, 31.3438, 13.3338

Deuteranopia

31.8018, 31.1023, 8.7421



Tritanopia

48.2516, 31.2036, 16.8444

Trichromacy



Original Color

46.8288, 31.2135, 9.3510

Protanomaly

33.5263, 29.7715, 11.5689

Deuteranomaly

36.2162, 30.2168, 8.7741

Tritanomaly

47.7289, 31.1470, 13.6216

Monochromacy



Original Color

46.8288, 31.2135, 9.3510

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

30.8283, 27.1752, 20.4501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8288, 31.2135, 9.3510 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(254, 103, 70)` looks like.

```
.text, #text, p{  
    color:rgb(254, 103, 70)  
}
```

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(254, 103, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 103, 70) }
```

Border

The CSS property to change the border of an element to XYZ 46.8288, 31.2135, 9.3510 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(254, 103, 70) }
```


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

```
.border{ border-color:rgb(254, 103, 70) }
```

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

Here you see how a box with a 4 pixel rgb(254, 103, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 103, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 103, 70);  
box-shadow:4px 4px 4px 4px rgb(254, 103,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8288, 31.2135, 9.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 103, 70) }
```

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

```
.background{ background-color: rgb(254,  
103, 70) }
```

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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