

Converting Colors

XYZ(46.4420, 31.4005, 4.4774)

Have a look what the booklet for
XYZ(46.4420, 31.4005, 4.4774)
contains.

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Color

**XYZ(46.4564, 31.4291,
4.4821)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6918
RGB	255, 105, 24
RGB Percent	100%, 41%, 9%
CMY	0.0000, 0.5882, 0.9059
CMYK	0.00, 0.59, 0.91, 0.00
HSL	21°, 100%, 55%
HSV	21°, 91%, 100%
XYZ	46.4564, 31.4291, 4.4821
YIQ	140.6160, 115.4010, 6.6090

Conversions

Conversions Part 2

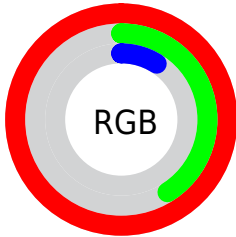
Format	Color
R _Y B	255, 149, 24
Decimal	16738584
CIE Lab	62.87, 53.91, 66.92
CIE LCh	63, 85.935, 51.148
Yxy	31.4291, 0.5640, 0.3816
Android (android.graphics.Color)	4294928664 (0xFFFF6918)
YUV	140.6160, -57.4917, 100.3148
Hunter-Lab	56.0617, 49.8090, 34.5030

Details

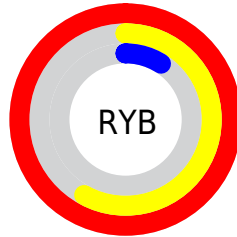
The XYZ color **46.4564, 31.4291, 4.4821** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **33.5614, 37.6838, 100.1116**, and the grayscale version is **25.3547, 26.6751, 29.0492**.

A 20% lighter version of the original color is **55.2588, 46.9808, 13.7452**, and **22.3335, 13.1438, 1.3599** is the 20% darker color. If you saturate the color by 10%, you get **44.8473, 28.4752, 3.1325**, and if you desaturate by 10%, it is **48.7112, 35.2989, 7.2079**.

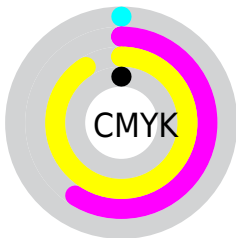
Distribution



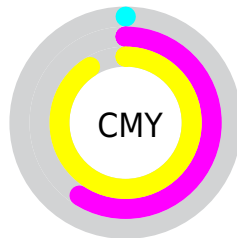
- Red (100%)
- Green (41%)
- Blue (9%)



- Red (100%)
- Yellow (58%)
- Blue (9%)



- Cyan (0%)
- Magenta (59%)
- Yellow (91%)
- Black (0%)





- Cyan (0%)
- Magenta (59%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4564, 31.4291, 4.4821 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 46.4564, 31.4291, 4.4821 by changing the saturation by 10% instead.


 46.4564, 31.4291,
4.4821


 46.4564, 31.4291,
4.4821


363.3258,
308.5103, 153.4420

 32.8123, 20.9258,
1.8934


 84.1253, 61.9150,
15.1072


 22.1412, 13.0698,
0.4885


 108.8808, 82.6664,
23.9806


 14.0779, 7.4766,
0.0000


 138.0708,
107.6027, 35.7861

 8.2569, 3.7619,
0.0000

 172.0607,
137.1082, 50.9420

 4.3130, 1.5413,
0.0000

 211.2157,
171.5673, 69.8671


 1.8807, 0.3175,
0.0000

 255.9014,


 0.5656, 0.0000,


211.3644, 92.9797


0.0000


 306.4829,
256.8840, 120.6985


 0.0000, 0.0000,
0.0000


 46.4564, 31.4291,
4.4821


 46.4564, 31.4291,
4.4821


 44.8473, 28.4752,
3.1325

 48.7112, 35.2989,
7.2079

 51.6162, 39.9807,
11.6539

 55.2329, 45.5268,
18.0614

 59.6140, 51.9828,
26.6317

 64.8066, 59.3906,
37.5410

70.8532, 67.7890,
50.9472

77.7934, 77.2148,
66.9941

85.6642, 87.7025,
85.8147

94.5002, 99.2851,
107.5329

Harmonies

Analogous

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



56.3737, 31.4291, 15.7451



46.4564, 31.4291, 4.4821



33.4960, 31.4291, 1.8127

Triad

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



46.4564, 31.4291, 4.4821



12.6137, 31.4291, 25.1763



38.8135, 31.4291, 137.4038

Complementary

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



46.4564, 31.4291, 4.4821



33.5614, 37.6838, 100.1116

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.



26.5201, 31.4291, 146.6914



46.4564, 31.4291, 4.4821



13.3338, 31.4291, 63.3702

Square

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



46.4564, 31.4291, 4.4821



15.4753, 31.4291, 7.5239



17.7956, 31.4291, 113.6934



51.2157, 31.4291, 93.1885

Rectangle

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



46.4564, 31.4291, 4.4821



25.7030, 31.4291, 1.8771



17.7956, 31.4291, 113.6934



34.4699, 31.4291, 145.5036

Sweetspot

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



46.4571, 31.4309, 4.4826



73.2382, 71.0502, 56.3920



49.2210, 24.9751, 42.3480



15.1896, 14.5426, 10.9591



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.



46.4571, 31.4309, 4.4826



44.8477, 28.4755, 3.1326



67.0896, 72.6959, 11.3601



18.5304, 19.0289, 18.8406



23.5600, 15.1312, 1.6789



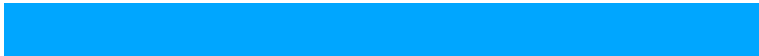
2.3919, 1.6691, 0.1961

Inverse Universe

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



33.5614, 37.6838, 100.1116



31.6093, 34.3387, 99.5698



19.9728, 10.5066, 95.5821



17.9874, 19.3464, 23.0361



16.6620, 18.2337, 52.0758



1.7250, 1.9806, 5.1047

Previews

White Background



This preview shows how the XYZ color 46.4564, 31.4291, 4.4821 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 46.4564, 31.4291, 4.4821 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 46.4564, 31.4291, 4.4821

Background



This preview shows how black text looks on a background with the XYZ color 46.4564, 31.4291, 4.4821.



This preview shows how white text looks on a background with the XYZ color 46.4564, 31.4291,

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

46.4564, 31.4291, 4.4821

Protanopia

28.5197, 31.5740, 6.3415

Tritanopia

48.3987, 31.4150, 17.1485

Trichromacy



Original Color

46.4564, 31.4291, 4.4821

Protanomaly

33.4220, 30.2692, 5.4475

Tritanomaly

47.2959, 31.2845, 10.3832

Monochromacy



Original Color

46.4564, 31.4291, 4.4821

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

29.2152, 26.2653, 15.0852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4564, 31.4291, 4.4821 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, 105, 24)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 24)  
}
```

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, 105, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 24) }
```

Border

The CSS property to change the border of an element to XYZ 46.4564, 31.4291, 4.4821 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, 105, 24) }
```

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

```
.border{ border-color:rgb(255, 105, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 105, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 24);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
24) }
```


Background

The CSS property to change the background color of an element to XYZ 46.4564, 31.4291, 4.4821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 24) }
```

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

```
.background{ background-color: rgb(255,  
105, 24) }
```

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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