

Converting Colors

XYZ(46.6224, 31.5154, 5.2949)

Have a look what the booklet for
XYZ(46.6224, 31.5154, 5.2949)
contains.

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Color

**XYZ(46.6100, 31.4905,
5.2907)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6924
RGB	255, 105, 36
RGB Percent	100%, 41%, 14%
CMY	0.0000, 0.5882, 0.8588
CMYK	0.00, 0.59, 0.86, 0.00
HSL	19°, 100%, 57%
HSV	19°, 86%, 100%
XYZ	46.6100, 31.4905, 5.2907
YIQ	141.9840, 111.5490, 10.3410

Conversions

Conversions Part 2

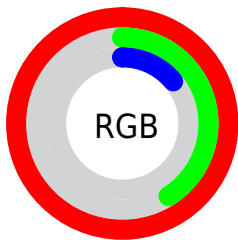
Format	Color
R _Y B	255, 137, 36
Decimal	16738596
CIE Lab	62.92, 54.12, 63.09
CIE LCh	63, 83.120, 49.374
Yxy	31.4905, 0.5589, 0.3776
Android (android.graphics.Color)	4294928676 (0xFFFF6924)
YUV	141.9840, -52.2501, 99.1150
Hunter-Lab	56.1164, 50.0575, 33.6916

Details

The XYZ color **46.6100, 31.4905, 5.2907** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **36.3347, 42.7095, 100.9357**, and the grayscale version is **25.8755, 27.2230, 29.6459**.

A 20% lighter version of the original color is **55.6140, 47.1229, 15.6156**, and **22.3335, 13.1438, 1.3599** is the 20% darker color. If you saturate the color by 10%, you get **44.7497, 28.1878, 3.3839**, and if you desaturate by 10%, it is **49.1135, 35.6380, 8.7764**.

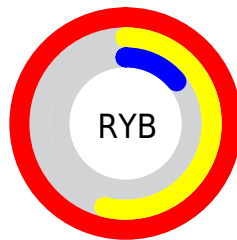
Distribution



Red (100%)

Green (41%)

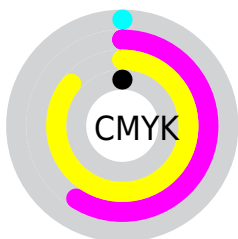
Blue (14%)



Red (100%)

Yellow (54%)

Blue (14%)

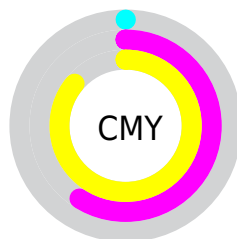


Cyan (0%)

Magenta (59%)

Yellow (86%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6100, 31.4905, 5.2907 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 46.6100, 31.4905, 5.2907 by changing the saturation by 10% instead.


 46.6100, 31.4905,
5.2907


 46.6100, 31.4905,
5.2907


363.9306,
308.7917, 161.6424

 32.9341, 20.9726,
2.3571


 84.3535, 62.0115,
16.8914


 22.2350, 13.1040,
0.7629


 109.1518, 82.7834,
26.3956


 14.1472, 7.5002,
0.0000


 138.3882,
107.7421, 38.9270

 8.3055, 3.7768,
0.0000

 172.4282,
137.2721, 54.9043

 4.3445, 1.5495,
0.0000

 211.6371,
171.7576, 74.7460

 1.8988, 0.3232,
0.0000

 256.3802,

 0.5762, 0.0000,

211.5831, 98.8705

0.0000

307.0229,
257.1330, 127.6965

■ 0.0000, 0.0000,
0.0000

■ 46.6100, 31.4905,
5.2907

■ 46.6100, 31.4905,
5.2907

■ 44.7497, 28.1878,
3.3839

■ 49.1135, 35.6380,
8.7764

■ 44.1342, 27.0488,
2.8948

■ 52.3292, 40.6863,
14.1125

■ 56.3177, 46.6917,
21.5203

■ 61.1316, 53.7036,
31.1893

■ 66.8185, 61.7679,
43.2872

73.4219, 70.9275,
57.9657

80.9824, 81.2225,
75.3640

89.5381, 92.6912,
95.6113

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



55.7666, 31.4905, 17.3815



46.6100, 31.4905, 5.2907



34.1615, 31.4905, 2.1879

Triad

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



46.6100, 31.4905, 5.2907



13.1307, 31.4905, 23.9574



37.8153, 31.4905, 134.2882

Complementary

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



46.6100, 31.4905, 5.2907



36.3347, 42.7095, 100.9357

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.



26.0647, 31.4905, 140.5471



46.6100, 31.4905, 5.2907



13.6372, 31.4905, 59.6426

Square

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



46.6100, 31.4905, 5.2907



16.1757, 31.4905, 7.4899



17.7973, 31.4905, 107.5080



49.8624, 31.4905, 93.6321

Rectangle

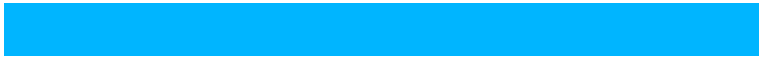
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



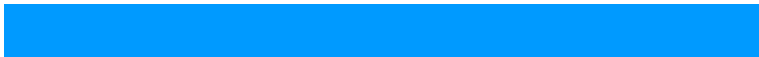
46.6100, 31.4905, 5.2907



26.4974, 31.4905, 2.1501



17.7973, 31.4905, 107.5080



33.6487, 31.4905, 141.1583

Sweetspot

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



46.6107, 31.4923, 5.2912



73.3386, 70.8128, 57.7764



51.0885, 26.2089, 50.6812



15.1860, 14.4516, 11.2162



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.



46.6107, 31.4923, 5.2912



44.1345, 27.0490, 2.8948



64.9021, 68.0751, 11.3883



18.4764, 18.9210, 18.8226



23.1785, 14.3683, 1.5517



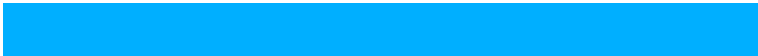
2.3498, 1.5850, 0.1821

Inverse Universe

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



36.3347, 42.7095, 100.9357



33.3116, 37.7431, 100.1372



21.6316, 13.3034, 96.0347



18.0438, 19.4592, 23.0549



17.5459, 20.0014, 52.3705



1.8065, 2.1436, 5.1318

Previews

White Background



This preview shows how the XYZ color 46.6100, 31.4905, 5.2907 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 46.6100, 31.4905, 5.2907 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 46.6100, 31.4905, 5.2907

Background



This preview shows how black text looks on a background with the XYZ color 46.6100, 31.4905, 5.2907.



This preview shows how white text looks on a background with the XYZ color 46.6100, 31.4905,

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

46.6100, 31.4905, 5.2907

Protanopia

28.7193, 31.6538, 7.3924

Deuteranopia

32.1670, 31.6080, 4.6640



Tritanopia

48.3987, 31.4150, 17.1485

Trichromacy



Original Color

46.6100, 31.4905, 5.2907

Protanomaly

33.6159, 30.3467, 6.4686

Deuteranomaly

36.4191, 30.6112, 4.6052

Tritanomaly

47.4766, 31.3568, 11.3348

Monochromacy



Original Color

46.6100, 31.4905, 5.2907

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

29.8269, 26.7471, 16.4226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6100, 31.4905, 5.2907 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, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 36)  
}
```

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, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 36) }
```

Border

The CSS property to change the border of an element to XYZ 46.6100, 31.4905, 5.2907 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, 36) }
```


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

```
.border{ border-color:rgb(255, 105, 36) }
```

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, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6100, 31.4905, 5.2907 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, 36) }
```

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

```
.background{ background-color: rgb(255,  
105, 36) }
```

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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