

Converting Colors

XYZ(46.1402, 30.6178, 4.9278)

Have a look what the booklet for
XYZ(46.1402, 30.6178, 4.9278)
contains.

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Color

**XYZ(46.1682, 30.6772,
4.9268)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6521
RGB	255, 101, 33
RGB Percent	100%, 40%, 13%
CMY	0.0000, 0.6039, 0.8706
CMYK	0.00, 0.60, 0.87, 0.00
HSL	18°, 100%, 56%
HSV	18°, 87%, 100%
XYZ	46.1682, 30.6772, 4.9268
YIQ	139.2940, 113.6120, 11.5000

Conversions

Conversions Part 2

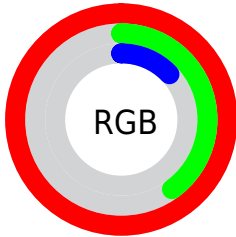
Format	Color
R _Y B	255, 131, 33
Decimal	16737569
CIE Lab	62.23, 55.82, 63.62
CIE LCh	62, 84.638, 48.733
Yxy	30.6772, 0.5646, 0.3752
Android (android.graphics.Color)	4294927649 (0xFFFF6521)
YUV	139.2940, -52.4029, 101.4742
Hunter-Lab	55.3870, 51.8626, 33.4969

Details

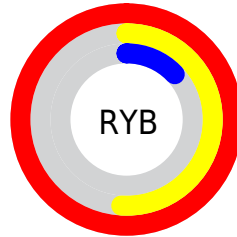
The XYZ color **46.1682, 30.6772, 4.9268** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **36.4457, 43.0804, 101.0014**, and the grayscale version is **24.8206, 26.1132, 28.4373**.

A 20% lighter version of the original color is **54.9767, 46.0458, 14.7942**, and **22.1359, 12.7485, 1.2940** is the 20% darker color. If you saturate the color by 10%, you get **44.3987, 27.5122, 3.1858**, and if you desaturate by 10%, it is **48.5772, 34.6924, 8.2063**.

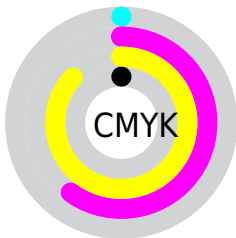
Distribution



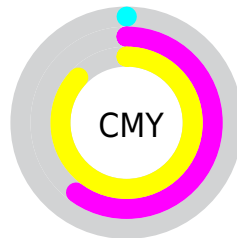
- Red (100%)
- Green (40%)
- Blue (13%)



- Red (100%)
- Yellow (51%)
- Blue (13%)



- Cyan (0%)
- Magenta (60%)
- Yellow (87%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1682, 30.6772, 4.9268 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 46.1682, 30.6772, 4.9268 by changing the saturation by 10% instead.


 46.1682, 30.6772,
4.9268


 46.1682, 30.6772,
4.9268


362.1891,
305.0484, 158.0285


 32.5838, 20.3532,
2.1464


 83.6970, 60.7315,
16.0964


 21.9655, 12.6520,
0.6432


 108.3720, 81.2305,
25.3226


 13.9480, 7.1894,
0.0000


 137.4747,
105.8901, 37.5346

 8.1660, 3.5808,
0.0000

 171.3703,
135.0944, 53.1507

 4.2540, 1.4420,
0.0000

 210.4241,
169.2281, 72.5897

 1.8468, 0.2473,
0.0000

 255.0017,

 0.5456, 0.0000,

208.6753, 96.2699

0.0000

305.4682,
253.8207, 124.6100

■ 0.0000, 0.0000,
0.0000

■ 46.1682, 30.6772,
4.9268

■ 46.1682, 30.6772,
4.9268

■ 44.3987, 27.5122,
3.1858

■ 48.5772, 34.6924,
8.2063

■ 43.9724, 26.7253,
2.8409

■ 51.6987, 39.6173,
13.3101

■ 55.5950, 45.5106,
20.4644

■ 60.3204, 52.4239,
29.8621

■ 65.9236, 60.4049,
41.6732

72.4493, 69.4981,
56.0514

79.9390, 79.7451,
73.1375

88.4317, 91.1857,
93.0619

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.



55.2835, 30.6772, 17.0047



46.1682, 30.6772, 4.9268



33.6612, 30.6772, 1.9004

Triad

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



46.1682, 30.6772, 4.9268



12.4911, 30.6772, 22.5616



36.7924, 30.6772, 135.3430

Complementary

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



46.1682, 30.6772, 4.9268



36.4457, 43.0804, 101.0014

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.



25.0750, 30.6772, 140.8006



46.1682, 30.6772, 4.9268



12.9163, 30.6772, 57.9386

Square

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



46.1682, 30.6772, 4.9268



15.5729, 30.6772, 6.7261



16.9418, 30.6772, 106.4586



48.9692, 30.6772, 94.4063

Rectangle

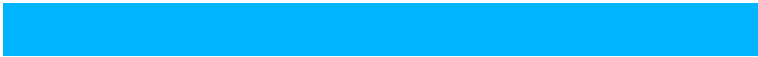
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.1682, 30.6772, 4.9268



25.9498, 30.6772, 1.8299



16.9418, 30.6772, 106.4586



32.6198, 30.6772, 142.0644

Sweetspot

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



46.1689, 30.6790, 4.9273



73.1959, 70.5273, 57.7288



50.9039, 25.9958, 50.1382



15.1526, 14.3850, 11.2050



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.



46.1689, 30.6790, 4.9273



43.9728, 26.7256, 2.8409



64.7092, 67.7596, 11.1074



18.4631, 18.8945, 18.8182



23.0917, 14.1946, 1.5228



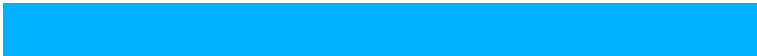
2.3401, 1.5655, 0.1788

Inverse Universe

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



36.4457, 43.0804, 101.0014



33.7488, 38.6177, 100.2829



21.3592, 12.9075, 95.9726



18.0577, 19.4871, 23.0596



17.7728, 20.4551, 52.4461



1.8272, 2.1852, 5.1387

Previews

White Background



This preview shows how the XYZ color 46.1682, 30.6772, 4.9268 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 46.1682, 30.6772, 4.9268 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 46.1682, 30.6772, 4.9268

Background



This preview shows how black text looks on a background with the XYZ color 46.1682, 30.6772, 4.9268.



This preview shows how white text looks on a background with the XYZ color 46.1682, 30.6772,

4.9268.

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

46.1682, 30.6772, 4.9268

Protanopia

27.9219, 30.7655, 7.0515

Deuteranopia

31.3083, 30.7213, 4.2797



Tritanopia

47.9130, 30.7687, 15.9840

Trichromacy



Original Color

46.1682, 30.6772, 4.9268

Protanomaly

32.6072, 29.2145, 6.0182

Deuteranomaly

35.5171, 29.7610, 4.2203

Tritanomaly

46.9472, 30.5312, 10.4399

Monochromacy



Original Color

46.1682, 30.6772, 4.9268

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

28.6899, 25.4111, 15.4493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1682, 30.6772, 4.9268 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, 101, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 101, 33)  
}
```

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, 101, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 101, 33) }
```

Border

The CSS property to change the border of an element to XYZ 46.1682, 30.6772, 4.9268 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, 101, 33) }
```


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

```
.border{ border-color:rgb(255, 101, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 101, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 101, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 101, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 101,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1682, 30.6772, 4.9268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 101, 33) }
```

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

```
.background{ background-color: rgb(255,  
101, 33) }
```

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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