

Converting Colors

$Y_{xy}(29.7578, 0.5667, 0.3882)$

Have a look what the booklet for
Yxy(29.7578, 0.5667, 0.3882)
contains.

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Color

Yxy(29.6748, 0.5667, 0.3883)

Conversions

Conversions Part 1

Format	Color
Hex	F76800
RGB	247, 104, 0
RGB Percent	97%, 41%, 0%
CMY	0.0314, 0.5921, 1.0000
CMYK	0.00, 0.58, 1.00, 0.03
HSL	25°, 100%, 48%
HSV	25°, 100%, 97%
XYZ	43.3085, 29.6748, 3.4390
YIQ	134.9010, 118.6120, -2.0280

Conversions

Conversions Part 2

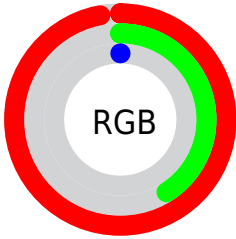
Format	Color
R_{YB}	247, 180, 0
Decimal	16214016
CIE _{Lab}	61.37, 51.25, 70.18
CIE _{LCh}	61, 86.902, 53.861
Yxy	29.6748, 0.5667, 0.3883
Android (android.graphics.Color)	4294404096 (0xFFFF76800)
YUV	134.9010, -66.5062, 98.3108
Hunter-Lab	54.4746, 46.5811, 34.3892

Details

The Yxy color **29.6748, 0.5667, 0.3883** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **26.3599, 0.1840, 0.1822**, and the grayscale version is **24.4101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4736, 0.4851, 0.4123**, and **12.1417, 0.6032, 0.3592** is the 20% darker color. If you saturate the color by 10%, you get **29.6769, 0.5666, 0.3883**, and if you desaturate by 10%, it is **32.8730, 0.5441, 0.3971**.

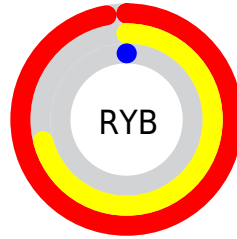
Distribution



Red (97%)

Green (41%)

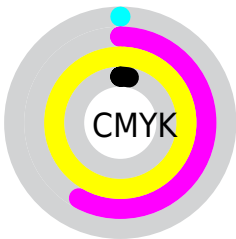
Blue (0%)



Red (97%)

Yellow (71%)

Blue (0%)

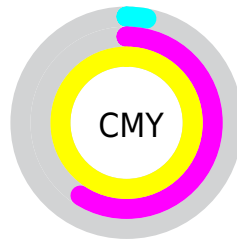


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6748, 0.5667, 0.3883 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 Yxy color 29.6748, 0.5667, 0.3883 by changing the saturation by 10% instead.

 29.6748, 0.5667,
0.3883


 29.6748, 0.5667,
0.3883


300.3857, 0.4424,
0.3788


 19.5919, 0.5918,
0.3824


 59.1475, 0.5251,
0.3910

 12.0987, 0.6242,
0.3733


 79.3061, 0.5082,
0.3902


 6.8110, 0.6504,
0.3496


 103.5920, 0.4934,
0.3886

 3.3442, 0.6852,
0.3148

 132.3897, 0.4805,
0.3868

 1.3139, 0.7372,
0.2628

 166.0835, 0.4692,
0.3848

 0.1520, 0.9094,
0.0906

 205.0578, 0.4592,


 0.0000, 1.0000,


0.3828

0.0000

 249.6971, 0.4503,
0.3808

 0.0000, 0.0000,
0.0000


 29.6748, 0.5667,
0.3883


 29.6748, 0.5667,
0.3883


 29.6769, 0.5666,
0.3883

 32.8730, 0.5441,
0.3971

 36.6676, 0.5167,
0.4009

 41.1090, 0.4860,
0.3994

 46.2338, 0.4544,
0.3935

 52.0748, 0.4239,
0.3846

■ 58.6622, 0.3957,
0.3739

■ 66.0241, 0.3705,
0.3624

■ 74.1870, 0.3484,
0.3508

■ 83.1760, 0.3292,
0.3396

Harmonies

Analogous

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



29.6748, 0.5571, 0.3087



29.6748, 0.5667, 0.3883



29.6748, 0.4963, 0.4808

Triad

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



29.6748, 0.5667, 0.3883



29.6748, 0.1708, 0.4418



29.6748, 0.1914, 0.1491

Complementary

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



29.6748, 0.5667, 0.3883



26.3599, 0.1840, 0.1822

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.



29.6748, 0.1295, 0.1483



29.6748, 0.5667, 0.3883



29.6748, 0.1161, 0.2765

Square

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



29.6748, 0.5667, 0.3883



29.6748, 0.2717, 0.5807



29.6748, 0.1058, 0.1836



29.6748, 0.3025, 0.1794

Rectangle

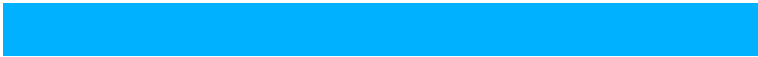
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.6748, 0.5667, 0.3883



29.6748, 0.4263, 0.5442



29.6748, 0.1058, 0.1836



29.6748, 0.1658, 0.1454

Sweetspot

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



29.6769, 0.5666, 0.3883



70.9400, 0.3706, 0.3624



21.7912, 0.4640, 0.2330



14.4469, 0.3809, 0.3673



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.6769, 0.5666, 0.3883



31.8534, 0.5669, 0.3881



74.3968, 0.4350, 0.4928



17.6293, 0.3283, 0.3390



15.9612, 0.5637, 0.3906



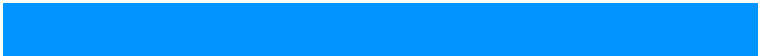
1.6015, 0.5415, 0.4083

Inverse Universe

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



26.3599, 0.1840, 0.1822



28.2828, 0.1839, 0.1820



7.2368, 0.1512, 0.0642



17.5203, 0.2980, 0.3188



14.2277, 0.1847, 0.1848



1.4536, 0.1902, 0.2046

Previews

White Background



This preview shows how the Yxy color 29.6748, 0.5667, 0.3883 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 29.6748, 0.5667, 0.3883 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.6748, 0.5667, 0.3883

Background



This preview shows how black text looks on a background with the Yxy color 29.6748, 0.5667, 0.3883.



This preview shows how white text looks on a background with the Yxy color 29.6748, 0.5667, 0.3883.

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

29.6748, 0.5667, 0.3883

Protanopia

29.7763, 0.4343, 0.4817

Deuteranopia

29.7411, 0.4718, 0.4636



Tritanopia

29.8527, 0.5007, 0.3239

Trichromacy



Original Color

29.6748, 0.5667, 0.3883

Protanomaly

28.5453, 0.4873, 0.4453

Deuteranomaly

28.9937, 0.5091, 0.4340

Tritanomaly

29.6474, 0.5389, 0.3581

Monochromacy



Original Color

29.6748, 0.5667, 0.3883

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.3173, 0.4240, 0.3848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6748, 0.5667, 0.3883 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(247, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 104, 0)  
}
```

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(247, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 104, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.6748, 0.5667, 0.3883 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(247, 104, 0) }
```

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

```
.border{ border-color:rgb(247, 104, 0) }
```

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

Here you see how a box with a 4 pixel rgb(247, 104, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 104,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6748, 0.5667, 0.3883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 104, 0) }
```

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

```
.background{ background-color: rgb(247,  
104, 0) }
```

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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