

Converting Colors

$Yxy(29.5584, 0.5799, 0.3778)$

Have a look what the booklet for
Yxy(29.5584, 0.5799, 0.3778)
contains.

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Color

Yxy(29.6257, 0.5796, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	FF6000
RGB	255, 96, 0
RGB Percent	100%, 38%, 0%
CMY	0.0000, 0.6235, 1.0000
CMYK	0.00, 0.62, 1.00, 0.00
HSL	23°, 100%, 50%
HSV	23°, 100%, 100%
XYZ	45.4261, 29.6257, 3.3231
YIQ	132.5970, 125.5800, 3.8520

Conversions

Conversions Part 2

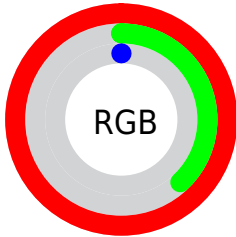
Format	Color
R_{YB}	255, 154, 0
Decimal	16736256
CIE _{Lab}	61.33, 57.61, 70.83
CIE _{LCh}	61, 91.294, 50.877
Yxy	29.6257, 0.5796, 0.3780
Android (android.graphics.Color)	4294926336 (0xFFFF6000)
YUV	132.5970, -65.3703, 107.3474
Hunter-Lab	54.4295, 53.7219, 34.4808

Details

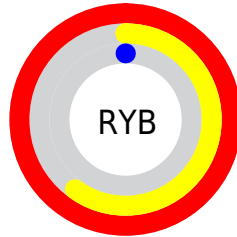
The Yxy color **29.6257, 0.5796, 0.3780** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **32.0171, 0.1884, 0.1981**, and the grayscale version is **23.5082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1217, 0.4924, 0.4062**, and **12.0806, 0.6196, 0.3462** is the 20% darker color. If you saturate the color by 10%, you get **29.6253, 0.5796, 0.3780**, and if you desaturate by 10%, it is **32.8982, 0.5559, 0.3874**.

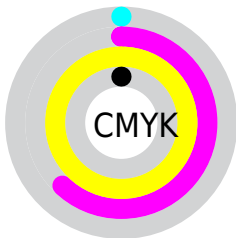
Distribution



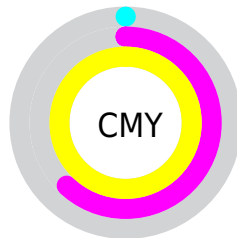
- Red (100%)
- Green (38%)
- Blue (0%)



- Red (100%)
- Yellow (60%)
- Blue (0%)



- Cyan (0%)
- Magenta (62%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (62%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6257, 0.5796, 0.3780 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 29.6257, 0.5796, 0.3780 by changing the saturation by 10% instead.


 29.6257, 0.5796,
0.3780


 29.6257, 0.5796,
0.3780


300.1558, 0.4492,
0.3753


 19.5547, 0.6058,
0.3703


 59.0697, 0.5360,
0.3834


 12.0717, 0.6400,
0.3591


 79.2115, 0.5183,
0.3835

 6.7926, 0.6672,
0.3328


 103.4790, 0.5028,
0.3828

 3.3327, 0.7042,
0.2958

 132.2566, 0.4893,
0.3816

 1.3078, 0.7583,
0.2417

 165.9287, 0.4774,
0.3801

 0.1472, 0.9228,
0.0772

 204.8797, 0.4669,

 0.0000, 1.0000,

0.3785


0.0000

 249.4939, 0.4575,
0.3769

 0.0000, 0.0000,
0.0000

 29.6257, 0.5796,
0.3780


 29.6257, 0.5796,
0.3780


 29.6253, 0.5796,
0.3780

 32.8982, 0.5559,
0.3874

 36.8848, 0.5266,
0.3922

 41.6441, 0.4936,
0.3916

 47.2220, 0.4598,
0.3868

 53.6599, 0.4275,
0.3789

60.9958, 0.3979,
0.3693

69.2653, 0.3717,
0.3590

78.5017, 0.3489,
0.3486

88.7366, 0.3294,
0.3385

Harmonies

Analogous

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



29.6257, 0.5615, 0.2982



29.6257, 0.5796, 0.3780



29.6257, 0.5101, 0.4724

Triad

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



29.6257, 0.5796, 0.3780



29.6257, 0.1724, 0.4672



29.6257, 0.1781, 0.1417

Complementary

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



29.6257, 0.5796, 0.3780



32.0171, 0.1884, 0.1981

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.



29.6257, 0.1196, 0.1437



29.6257, 0.5796, 0.3780



29.6257, 0.1123, 0.2867

Square

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



29.6257, 0.5796, 0.3780



29.6257, 0.2790, 0.6011



29.6257, 0.0988, 0.1836



29.6257, 0.2875, 0.1697

Rectangle

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



29.6257, 0.5796, 0.3780



29.6257, 0.4384, 0.5409



29.6257, 0.0988, 0.1836



29.6257, 0.1536, 0.1389

Sweetspot

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



29.6253, 0.5796, 0.3780



69.2653, 0.3717, 0.3590



23.8509, 0.4434, 0.2216



14.0545, 0.3823, 0.3634



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.



29.6253, 0.5796, 0.3780



72.9729, 0.4455, 0.4845



19.1075, 0.3285, 0.3380



15.7433, 0.5766, 0.3804



1.7349, 0.5553, 0.3973

Inverse Universe

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



32.0171, 0.1884, 0.1981



8.3641, 0.1524, 0.0684



19.2649, 0.2979, 0.3198



17.0263, 0.1890, 0.2004



1.8681, 0.1935, 0.2167

Previews

White Background



This preview shows how the Yxy color 29.6257, 0.5796, 0.3780 looks on a white background.

Color Contrast Check

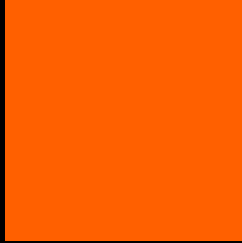
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6257, 0.5796, 0.3780 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 29.6257, 0.5796, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 29.6257, 0.5796, 0.3780.



This preview shows how white text looks on a background with the Yxy color 29.6257, 0.5796, 0.3780.

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

29.6257, 0.5796, 0.3780

Protanopia

29.7850, 0.4336, 0.4807

Deuteranopia

29.6145, 0.4708, 0.4644



Tritanopia

29.5867, 0.5176, 0.3252

Trichromacy



Original Color

29.6257, 0.5796, 0.3780

Protanomaly

28.1478, 0.4937, 0.4393

Deuteranomaly

28.6643, 0.5157, 0.4287

Tritanomaly

29.4256, 0.5536, 0.3541

Monochromacy



Original Color

29.6257, 0.5796, 0.3780

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.4359, 0.4297, 0.3802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6257, 0.5796, 0.3780 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, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 96, 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(255, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.6257, 0.5796, 0.3780 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, 96, 0) }
```

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

```
.border{ border-color:rgb(255, 96, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 96, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 96, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 96, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 96, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 29.6257, 0.5796, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 96, 0) }
```

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

```
.background{ background-color: rgb(255, 96,  
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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