

Converting Colors

$Y_{xy}(28.9564, 0.5784, 0.3789)$

Have a look what the booklet for
Yxy(28.9564, 0.5784, 0.3789)
contains.

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Color

Yxy(29.0612, 0.5782, 0.3791)

Conversions

Conversions Part 1

Format	Color
Hex	FC6000
RGB	252, 96, 0
RGB Percent	99%, 38%, 0%
CMY	0.0118, 0.6234, 1.0000
CMYK	0.00, 0.62, 1.00, 0.01
HSL	23°, 100%, 49%
HSV	23°, 100%, 99%
XYZ	44.3239, 29.0612, 3.2733
YIQ	131.7000, 123.7920, 3.2160

Conversions

Conversions Part 2

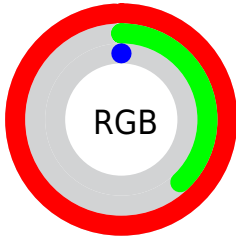
Format	Color
R_{YB}	252, 155, 0
Decimal	16539648
CIE Lab	60.84, 56.55, 70.29
CIE LCh	61, 90.211, 51.182
Yxy	29.0612, 0.5782, 0.3791
Android (android.graphics.Color)	4294729728 (0xFFFC6000)
YUV	131.7000, -64.9281, 105.5031
Hunter-Lab	53.9084, 52.4241, 34.1358

Details

The Yxy color **29.0612, 0.5782, 0.3791** 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 **30.7935, 0.1879, 0.1965**, and the grayscale version is **23.1693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1217, 0.4924, 0.4062**, and **11.8879, 0.6182, 0.3474** is the 20% darker color. If you saturate the color by 10%, you get **29.0619, 0.5782, 0.3791**, and if you desaturate by 10%, it is **32.2686, 0.5546, 0.3885**.

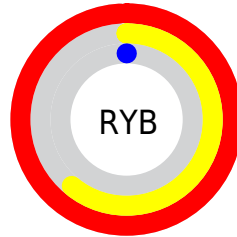
Distribution



Red (99%)

Green (38%)

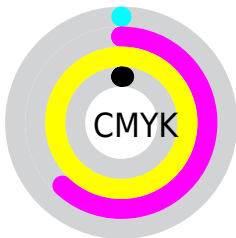
Blue (0%)



Red (99%)

Yellow (61%)

Blue (0%)

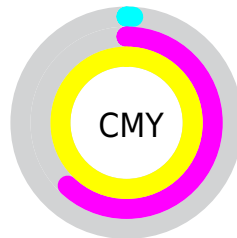


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0612, 0.5782, 0.3791 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 29.0612, 0.5782, 0.3791 by changing the saturation by 10% instead.


 29.0612, 0.5782,
0.3791


 29.0612, 0.5782,
0.3791


297.5036, 0.4480,
0.3756


 19.1271, 0.6045,
0.3715


 58.1743, 0.5346,
0.3842

 11.7622, 0.6391,
0.3606


 78.1221, 0.5169,
0.3842


 6.5819, 0.6660,
0.3340


 102.1766, 0.5014,
0.3834

 3.2021, 0.7033,
0.2967

 130.7223, 0.4879,
0.3821

 1.2381, 0.7583,
0.2417

 164.1434, 0.4760,
0.3806

 0.0925, 0.9465,
0.0535

 202.8244, 0.4656,

 0.0000, 1.0000,

0.3789


0.0000


 247.1497, 0.4563,
0.3772


 0.0000, 0.0000,
0.0000


 29.0612, 0.5782,
0.3791

 29.0612, 0.5782,
0.3791


 29.0619, 0.5782,
0.3791

 32.2686, 0.5546,
0.3885

 36.1615, 0.5255,
0.3931

 40.7981, 0.4927,
0.3924

 46.2224, 0.4592,
0.3875

 52.4739, 0.4270,
0.3795

■ 59.5889, 0.3976,
0.3698

■ 67.6014, 0.3715,
0.3593

■ 76.5434, 0.3488,
0.3488

■ 86.4449, 0.3293,
0.3386

Harmonies

Analogous

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



29.0612, 0.5610, 0.2993



29.0612, 0.5782, 0.3791



29.0612, 0.5086, 0.4733

Triad

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



29.0612, 0.5782, 0.3791



29.0612, 0.1723, 0.4644



29.0612, 0.1795, 0.1425

Complementary

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



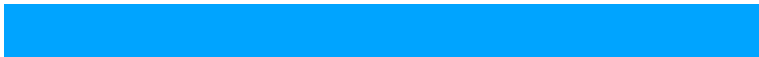
29.0612, 0.5782, 0.3791



30.7935, 0.1879, 0.1965

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.



29.0612, 0.1206, 0.1442



29.0612, 0.5782, 0.3791



29.0612, 0.1127, 0.2856

Square

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



29.0612, 0.5782, 0.3791



29.0612, 0.2783, 0.5989



29.0612, 0.0995, 0.1836



29.0612, 0.2891, 0.1708

Rectangle

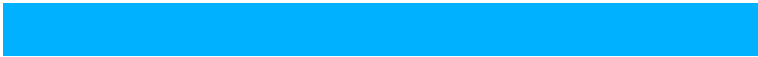
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.0612, 0.5782, 0.3791



29.0612, 0.4372, 0.5413



29.0612, 0.0995, 0.1836



29.0612, 0.1549, 0.1396

Sweetspot

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



29.0629, 0.5782, 0.3791



69.4361, 0.3716, 0.3593



23.2166, 0.4433, 0.2216



14.0945, 0.3821, 0.3638



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.



29.0629, 0.5782, 0.3791



29.8406, 0.5783, 0.3790



71.0368, 0.4455, 0.4845



18.3093, 0.3284, 0.3381



15.4029, 0.5752, 0.3815



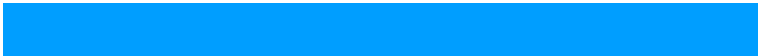
1.6241, 0.5529, 0.3992

Inverse Universe

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



30.7935, 0.1879, 0.1965



31.6161, 0.1879, 0.1964



8.1490, 0.1524, 0.0685



18.4324, 0.2980, 0.3197



16.3360, 0.1886, 0.1989



1.7176, 0.1934, 0.2161

Previews

White Background



This preview shows how the Yxy color 29.0612, 0.5782, 0.3791 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 29.0612, 0.5782, 0.3791 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 29.0612, 0.5782, 0.3791

Background



This preview shows how black text looks on a background with the Yxy color 29.0612, 0.5782, 0.3791.



This preview shows how white text looks on a background with the Yxy color 29.0612, 0.5782, 0.3791.

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

29.0612, 0.5782, 0.3791

Protanopia

29.3570, 0.4340, 0.4810

Deuteranopia

29.1953, 0.4711, 0.4642



Tritanopia

29.0418, 0.5195, 0.3244

Trichromacy



Original Color

29.0612, 0.5782, 0.3791

Protanomaly

27.6082, 0.4934, 0.4399

Deuteranomaly

28.1169, 0.5154, 0.4289

Tritanomaly

28.8632, 0.5541, 0.3542

Monochromacy



Original Color

29.0612, 0.5782, 0.3791

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.0639, 0.4305, 0.3804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0612, 0.5782, 0.3791 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(252, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 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(252, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 96, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.0612, 0.5782, 0.3791 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(252, 96, 0) }
```

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

```
.border{ border-color:rgb(252, 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(252, 96, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 96, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 96, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 96, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 29.0612, 0.5782, 0.3791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 96, 0) }
```

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

```
.background{ background-color: rgb(252, 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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