

Converting Colors

$Y_{xy}(29.5509, 0.5639, 0.3905)$

Have a look what the booklet for
Yxy(29.5509, 0.5639, 0.3905)
contains.

Yxy(29.5156, 0.5644, 0.3901)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.5156, 0.5644, 0.3901)

Conversions

Conversions Part 1

Format	Color
Hex	F56900
RGB	245, 105, 0
RGB Percent	96%, 41%, 0%
CMY	0.0393, 0.5881, 1.0000
CMYK	0.00, 0.57, 1.00, 0.04
HSL	26°, 100%, 48%
HSV	26°, 100%, 96%
XYZ	42.7034, 29.5156, 3.4426
YIQ	134.8900, 117.1450, -2.9750

Conversions

Conversions Part 2

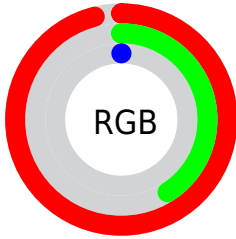
Format	Color
R_{YB}	245, 184, 0
Decimal	16083200
CIE Lab	61.23, 50.05, 69.92
CIE LCh	61, 85.986, 54.406
Yxy	29.5156, 0.5644, 0.3901
Android (android.graphics.Color)	4294273280 (0xFFFF56900)
YUV	134.8900, -66.5008, 96.5665
Hunter-Lab	54.3283, 45.2312, 34.2728

Details

The Yxy color **29.5156, 0.5644, 0.3901** 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 **25.3366, 0.1832, 0.1796**, and the grayscale version is **24.4076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8190, 0.4842, 0.4133**, and **12.0710, 0.5998, 0.3619** is the 20% darker color. If you saturate the color by 10%, you get **29.5175, 0.5644, 0.3901**, and if you desaturate by 10%, it is **32.6760, 0.5420, 0.3987**.

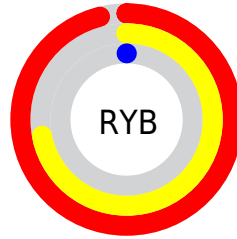
Distribution



Red (96%)

Green (41%)

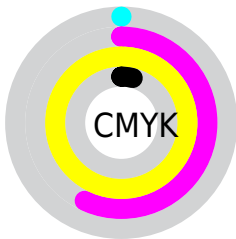
Blue (0%)



Red (96%)

Yellow (72%)

Blue (0%)

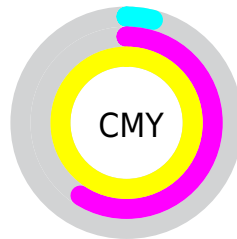


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5156, 0.5644, 0.3901 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 29.5156, 0.5644, 0.3901 by changing the saturation by 10% instead.


 29.5156, 0.5644,
0.3901

 29.5156, 0.5644,
0.3901


299.6400, 0.4410,
0.3794

 19.4712, 0.5894,
0.3845


 58.8953, 0.5231,
0.3923


 12.0113, 0.6216,
0.3758


 78.9994, 0.5063,
0.3913


 6.7513, 0.6476,
0.3524


 103.2254, 0.4916,
0.3896

 3.3071, 0.6821,
0.3179

 131.9580, 0.4788,
0.3877

 1.2941, 0.7339,
0.2661

 165.5813, 0.4676,
0.3856

 0.1366, 0.9145,
0.0855

 204.4798, 0.4577,


 0.0000, 1.0000,


0.3835


0.0000

 249.0379, 0.4489,
0.3814


 0.0000, 0.0000,
0.0000


 29.5156, 0.5644,
0.3901


 29.5156, 0.5644,
0.3901


 29.5175, 0.5644,
0.3901

 32.6760, 0.5420,
0.3987

 36.4107, 0.5150,
0.4024

 40.7684, 0.4847,
0.4007

 45.7838, 0.4534,
0.3947

 51.4885, 0.4233,
0.3856

■ 57.9112, 0.3954,
0.3746

■ 65.0787, 0.3703,
0.3629

■ 73.0164, 0.3483,
0.3512

■ 81.7482, 0.3292,
0.3398

Harmonies

Analogous

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



29.5156, 0.5562, 0.3105



29.5156, 0.5644, 0.3901



29.5156, 0.4938, 0.4822

Triad

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



29.5156, 0.5644, 0.3901



29.5156, 0.1705, 0.4375



29.5156, 0.1938, 0.1504

Complementary

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



29.5156, 0.5644, 0.3901



25.3366, 0.1832, 0.1796

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.



29.5156, 0.1313, 0.1491



29.5156, 0.5644, 0.3901



29.5156, 0.1168, 0.2748

Square

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



29.5156, 0.5644, 0.3901



29.5156, 0.2703, 0.5769



29.5156, 0.1071, 0.1836



29.5156, 0.3051, 0.1812

Rectangle

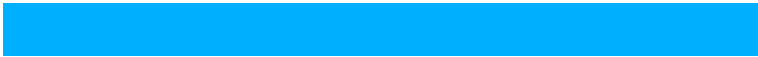
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.5156, 0.5644, 0.3901



29.5156, 0.4242, 0.5447



29.5156, 0.1071, 0.1836



29.5156, 0.1680, 0.1466

Sweetspot

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



29.5175, 0.5644, 0.3901



71.2297, 0.3705, 0.3630



21.3901, 0.4639, 0.2329



14.5149, 0.3807, 0.3680



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.



29.5175, 0.5644, 0.3901



32.2649, 0.5647, 0.3898



73.0275, 0.4350, 0.4928



17.6507, 0.3283, 0.3392



16.1661, 0.5616, 0.3923



1.6205, 0.5395, 0.4098

Inverse Universe

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



25.3366, 0.1832, 0.1796



27.6803, 0.1831, 0.1793



7.1067, 0.1512, 0.0642



17.4986, 0.2980, 0.3186



13.9317, 0.1839, 0.1821



1.4282, 0.1895, 0.2022

Previews

White Background



This preview shows how the Yxy color 29.5156, 0.5644, 0.3901 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 29.5156, 0.5644, 0.3901 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 29.5156, 0.5644, 0.3901

Background



This preview shows how black text looks on a background with the Yxy color 29.5156, 0.5644, 0.3901.



This preview shows how white text looks on a background with the Yxy color 29.5156, 0.5644, 0.3901.

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

29.5156, 0.5644, 0.3901

Protanopia

29.7722, 0.4346, 0.4821

Deuteranopia

29.6145, 0.4708, 0.4644



Tritanopia

29.6913, 0.4971, 0.3238

Trichromacy



Original Color

29.5156, 0.5644, 0.3901

Protanomaly

28.4116, 0.4864, 0.4461

Deuteranomaly

28.8482, 0.5082, 0.4347

Tritanomaly

29.4749, 0.5366, 0.3595

Monochromacy



Original Color

29.5156, 0.5644, 0.3901

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.2011, 0.4227, 0.3851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5156, 0.5644, 0.3901 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(245, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 105, 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(245, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 105, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.5156, 0.5644, 0.3901 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(245, 105, 0) }
```

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

```
.border{ border-color:rgb(245, 105, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 105, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 105,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5156, 0.5644, 0.3901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 105, 0) }
```

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

```
.background{ background-color: rgb(245,  
105, 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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