

Converting Colors

$Y_{xy}(30.1441, 0.5679, 0.3858)$

Have a look what the booklet for
Yxy(30.1441, 0.5679, 0.3858)
contains.

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Color

Yxy(30.0354, 0.5684, 0.3853)

Conversions

Conversions Part 1

Format	Color
Hex	FA6705
RGB	250, 103, 5
RGB Percent	98%, 40%, 2%
CMY	0.0195, 0.5961, 0.9799
CMYK	0.00, 0.59, 0.98, 0.02
HSL	24°, 96%, 50%
HSV	24°, 98%, 98%
XYZ	44.3086, 30.0354, 3.6092
YIQ	135.7810, 119.0700, 0.6860

Conversions

Conversions Part 2

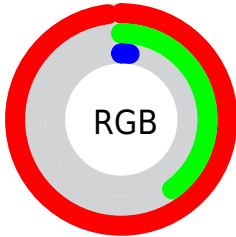
Format	Color
R _Y B	250, 168, 5
Decimal	16410373
CIE Lab	61.68, 52.84, 69.69
CIE LCh	62, 87.462, 52.829
Yxy	30.0354, 0.5684, 0.3853
Android (android.graphics.Color)	4294600453 (0xFFFA6705)
YUV	135.7810, -64.4750, 100.1701
Hunter-Lab	54.8046, 48.4065, 34.4586

Details

The Yxy color **30.0354, 0.5684, 0.3853** 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 **29.4472, 0.1872, 0.1929**, and the grayscale version is **24.7515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1559, 0.4848, 0.4101**, and **12.3473, 0.6068, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **29.4244, 0.5729, 0.3833**, and if you desaturate by 10%, it is **33.3789, 0.5444, 0.3937**.

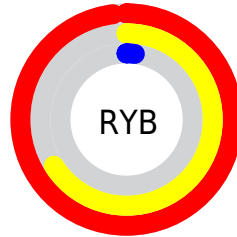
Distribution



Red (98%)

Green (40%)

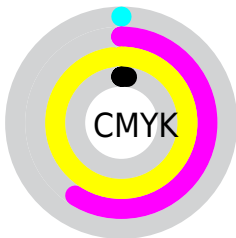
Blue (2%)



Red (98%)

Yellow (66%)

Blue (2%)

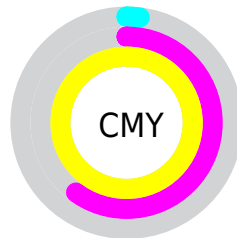


Cyan (0%)

Magenta (59%)

Yellow (98%)

Black (2%)



Cyan (2%)

Magenta (60%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0354, 0.5684, 0.3853 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 30.0354, 0.5684, 0.3853 by changing the saturation by 10% instead.


 30.0354, 0.5684,
0.3853


 30.0354, 0.5684,
0.3853


302.0694, 0.4431,
0.3773


 19.8655, 0.5938,
0.3792


 59.7182, 0.5264,
0.3884

 12.2973, 0.6260,
0.3694


 79.9998, 0.5093,
0.3878

 6.9465, 0.6538,
0.3462


 104.4207, 0.4945,
0.3865

 3.4286, 0.6887,
0.3113

 133.3654, 0.4815,
0.3848

 1.3594, 0.7406,
0.2594

 167.2182, 0.4701,
0.3829


 0.1865, 0.8976,
0.1024

 206.3636, 0.4600,

 0.0000, 1.0000,

0.3810


0.0000


 251.1858, 0.4511,
0.3791

 0.0000, 0.0000,
0.0000

 30.0354, 0.5684,
0.3853


 30.0354, 0.5684,
0.3853


 29.4244, 0.5729,
0.3833

 33.3789, 0.5444,
0.3937

 37.3829, 0.5151,
0.3969

 42.0958, 0.4829,
0.3949

 47.5570, 0.4504,
0.3888

 53.8021, 0.4194,
0.3799

60.8643, 0.3912,
0.3695

68.7742, 0.3662,
0.3585

77.5609, 0.3444,
0.3475

87.2519, 0.3257,
0.3369

Harmonies

Analogous

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



30.0354, 0.5554, 0.3059



30.0354, 0.5684, 0.3853



30.0354, 0.4998, 0.4775

Triad

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



30.0354, 0.5684, 0.3853



30.0354, 0.1733, 0.4484



30.0354, 0.1882, 0.1483

Complementary

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



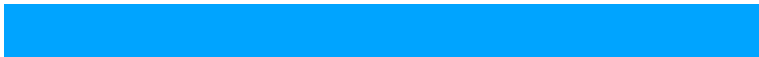
30.0354, 0.5684, 0.3853



29.4472, 0.1872, 0.1929

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.



30.0354, 0.1278, 0.1485



30.0354, 0.5684, 0.3853



30.0354, 0.1169, 0.2809

Square

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



30.0354, 0.5684, 0.3853



30.0354, 0.2754, 0.5836



30.0354, 0.1053, 0.1854



30.0354, 0.2978, 0.1777

Rectangle

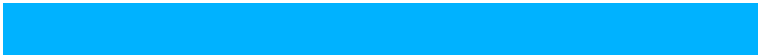
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.0354, 0.5684, 0.3853



30.0354, 0.4302, 0.5415



30.0354, 0.1053, 0.1854



30.0354, 0.1631, 0.1449

Sweetspot

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



30.0371, 0.5684, 0.3853



70.9880, 0.3687, 0.3597



22.8448, 0.4466, 0.2242



14.4236, 0.3792, 0.3644



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.



30.0371, 0.5684, 0.3853



30.7421, 0.5731, 0.3832



72.2910, 0.4410, 0.4872



18.3634, 0.3284, 0.3385



15.8674, 0.5700, 0.3856



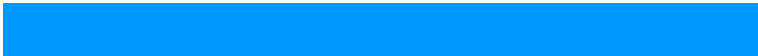
1.6706, 0.5482, 0.4029

Inverse Universe

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



29.4472, 0.1872, 0.1929



30.0369, 0.1860, 0.1897



8.0637, 0.1528, 0.0689



18.3767, 0.2980, 0.3193



15.5379, 0.1868, 0.1923



1.6464, 0.1918, 0.2103

Previews

White Background



This preview shows how the Yxy color 30.0354, 0.5684, 0.3853 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 30.0354, 0.5684, 0.3853 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](#).

Yxy 30.0354, 0.5684, 0.3853

Background



This preview shows how black text looks on a background with the Yxy color 30.0354, 0.5684, 0.3853.



This preview shows how white text looks on a background with the Yxy color 30.0354, 0.5684, 0.3853.

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

30.0354, 0.5684, 0.3853

Protanopia

30.2077, 0.4339, 0.4814

Deuteranopia

30.1648, 0.4715, 0.4639



Tritanopia

30.0205, 0.5043, 0.3240

Trichromacy



Original Color

30.0354, 0.5684, 0.3853

Protanomaly

28.8245, 0.4885, 0.4430

Deuteranomaly

29.2916, 0.5104, 0.4322

Tritanomaly

29.8382, 0.5402, 0.3561

Monochromacy



Original Color

30.0354, 0.5684, 0.3853

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.4670, 0.4228, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0354, 0.5684, 0.3853 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(250, 103, 5)` looks like.

```
.text, #text, p{  
    color:rgb(250, 103, 5)  
}
```

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(250, 103, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 103, 5) }
```

Border

The CSS property to change the border of an element to Yxy 30.0354, 0.5684, 0.3853 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(250, 103, 5) }
```

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

```
.border{ border-color:rgb(250, 103, 5) }
```

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

Here you see how a box with a 4 pixel rgb(250, 103, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 103, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 103, 5);  
box-shadow:4px 4px 4px 4px rgb(250, 103,  
5) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0354, 0.5684, 0.3853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 103, 5) }
```

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

```
.background{ background-color: rgb(250,  
103, 5) }
```

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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