

Converting Colors

$Y_{xy}(30.1571, 0.5597, 0.3843)$

Have a look what the booklet for
Yxy(30.1571, 0.5597, 0.3843)
contains.

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Color

Yxy(30.1256, 0.5602, 0.3842)

Conversions

Conversions Part 1

Format	Color
Hex	F86918
RGB	248, 105, 24
RGB Percent	97%, 41%, 9%
CMY	0.0275, 0.5882, 0.9062
CMYK	0.00, 0.58, 0.90, 0.03
HSL	22°, 94%, 53%
HSV	22°, 90%, 97%
XYZ	43.9260, 30.1256, 4.3597
YIQ	138.5230, 111.2290, 5.1250

Conversions

Conversions Part 2

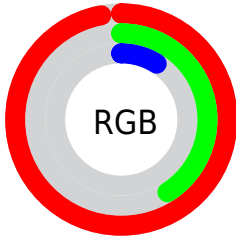
Format	Color
R _Y B	248, 151, 24
Decimal	16279832
CIE Lab	61.76, 51.39, 65.65
CIE LCh	62, 83.373, 51.947
Yxy	30.1256, 0.5602, 0.3842
Android (android.graphics.Color)	4294469912 (0xFFFF86918)
YUV	138.5230, -56.4598, 96.0113
Hunter-Lab	54.8868, 46.8019, 33.7113

Details

The Yxy color **30.1256, 0.5602, 0.3842** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **34.5735, 0.1951, 0.2167**, and the grayscale version is **25.8139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9808, 0.4764, 0.4051**, and **12.3485, 0.6024, 0.3599** is the 20% darker color. If you saturate the color by 10%, you get **27.2251, 0.5833, 0.3750**, and if you desaturate by 10%, it is **33.8107, 0.5305, 0.3893**.

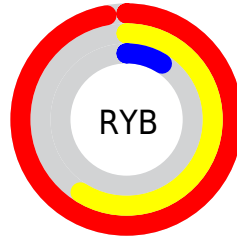
Distribution



Red (97%)

Green (41%)

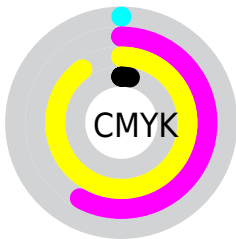
Blue (9%)



Red (97%)

Yellow (59%)

Blue (9%)

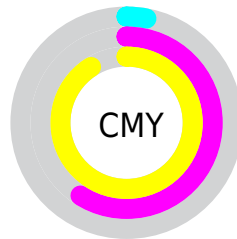


Cyan (0%)

Magenta (58%)

Yellow (90%)

Black (3%)



Cyan (3%)


Magenta (59%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1256, 0.5602, 0.3842 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 30.1256, 0.5602, 0.3842 by changing the saturation by 10% instead.

 30.1256, 0.5602,
0.3842


 30.1256, 0.5602,
0.3842


302.4895, 0.4373,
0.3744


 19.9339, 0.5861,
0.3792


 59.8608, 0.5183,
0.3861


 12.3470, 0.6170,
0.3697


 80.1730, 0.5015,
0.3851

 6.9805, 0.6497,
0.3503


 104.6276, 0.4870,
0.3836

 3.4499, 0.6840,
0.3160

 133.6090, 0.4743,
0.3819

 1.3709, 0.7352,
0.2648

 167.5014, 0.4633,
0.3800

 0.1951, 0.8909,
0.1091


 206.6894, 0.4535,


 0.0000, 1.0000,


0.3781


0.0000


 251.5573, 0.4449,
0.3762

 0.0000, 0.0000,
0.0000

 30.1256, 0.5602,
0.3842


 30.1256, 0.5602,
0.3842


 27.2251, 0.5833,
0.3750

 33.8107, 0.5305,
0.3893

 38.2396, 0.4969,
0.3891

 43.4591, 0.4624,
0.3847

 49.5100, 0.4294,
0.3773

 56.4299, 0.3993,
0.3681

64.2536, 0.3728,
0.3582

73.0140, 0.3497,
0.3481

82.7423, 0.3300,
0.3384

93.4680, 0.3133,
0.3293

Harmonies

Analogous

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



30.1256, 0.5428, 0.3064



30.1256, 0.5602, 0.3842



30.1256, 0.4980, 0.4728

Triad

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



30.1256, 0.5602, 0.3842



30.1256, 0.1821, 0.4474



30.1256, 0.1906, 0.1536

Complementary

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



30.1256, 0.5602, 0.3842



34.5735, 0.1951, 0.2167

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.



30.1256, 0.1325, 0.1551



30.1256, 0.5602, 0.3842



30.1256, 0.1247, 0.2881

Square

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



30.1256, 0.5602, 0.3842



30.1256, 0.2825, 0.5716



30.1256, 0.1115, 0.1932



30.1256, 0.2951, 0.1816

Rectangle

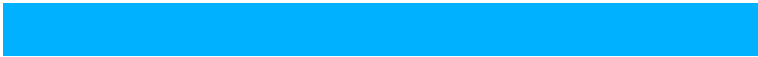
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.1256, 0.5602, 0.3842



30.1256, 0.4322, 0.5329



30.1256, 0.1115, 0.1932



30.1256, 0.1665, 0.1507

Sweetspot

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



30.1273, 0.5602, 0.3842



71.4330, 0.3647, 0.3548



23.4918, 0.4218, 0.2142



14.6317, 0.3730, 0.3583



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.



30.1273, 0.5602, 0.3842



28.9633, 0.5836, 0.3748



68.3090, 0.4436, 0.4809



18.2534, 0.3285, 0.3376



14.9498, 0.5804, 0.3773



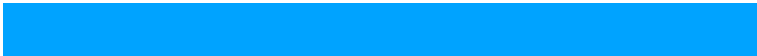
1.5779, 0.5578, 0.3953

Inverse Universe

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



34.5735, 0.1951, 0.2167



33.3143, 0.1898, 0.2034



9.9499, 0.1587, 0.0840



18.4902, 0.2980, 0.3202



17.1932, 0.1905, 0.2057



1.7936, 0.1950, 0.2221

Previews

White Background



This preview shows how the Yxy color 30.1256, 0.5602, 0.3842 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.1256, 0.5602, 0.3842 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 30.1256, 0.5602, 0.3842

Background



This preview shows how black text looks on a background with the Yxy color 30.1256, 0.5602, 0.3842.



This preview shows how white text looks on a background with the Yxy color 30.1256, 0.5602, 0.3842.

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

30.1256, 0.5602, 0.3842

Protanopia

30.2649, 0.4297, 0.4751

Deuteranopia

30.1648, 0.4715, 0.4639



Tritanopia

30.0588, 0.4988, 0.3239

Trichromacy



Original Color

30.1256, 0.5602, 0.3842

Protanomaly

29.0248, 0.4811, 0.4389

Deuteranomaly

29.4219, 0.5069, 0.4325

Tritanomaly

29.9551, 0.5292, 0.3524

Monochromacy



Original Color

30.1256, 0.5602, 0.3842

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.6255, 0.4123, 0.3729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1256, 0.5602, 0.3842 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(248, 105, 24)` looks like.

```
.text, #text, p{  
    color:rgb(248, 105, 24)  
}
```

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(248, 105, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 105, 24) }
```

Border

The CSS property to change the border of an element to Yxy 30.1256, 0.5602, 0.3842 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(248, 105, 24) }
```

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

```
.border{ border-color:rgb(248, 105, 24) }
```

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

Here you see how a box with a 4 pixel rgb(248, 105, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 105, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 105, 24);  
box-shadow:4px 4px 4px 4px rgb(248, 105,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1256, 0.5602, 0.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 105, 24) }
```

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

```
.background{ background-color: rgb(248,  
105, 24) }
```

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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