

Converting Colors

$Y_{xy}(26.3221, 0.5852, 0.3735)$

Have a look what the booklet for
Yxy(26.3221, 0.5852, 0.3735)
contains.

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Color

Yxy(26.4092, 0.5855, 0.3733)

Conversions

Conversions Part 1

Format	Color
Hex	F65700
RGB	246, 87, 0
RGB Percent	96%, 34%, 0%
CMY	0.0352, 0.6589, 0.9999
CMYK	0.00, 0.65, 1.00, 0.04
HSL	21°, 100%, 48%
HSV	21°, 100%, 96%
XYZ	41.4213, 26.4092, 2.9147
YIQ	124.6230, 122.6910, 6.6510

Conversions

Conversions Part 2

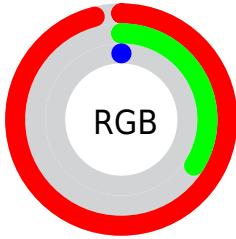
Format	Color
R_{YB}	246, 135, 0
Decimal	16144128
CIE _{Lab}	58.42, 58.29, 68.49
CIE _{LCh}	58, 89.935, 49.599
Yxy	26.4092, 0.5855, 0.3733
Android (android.graphics.Color)	4294334208 (0xFFFF65700)
YUV	124.6230, -61.4391, 106.4476
Hunter-Lab	51.3899, 53.9425, 32.6101

Details

The Yxy color **26.4092, 0.5855, 0.3733** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **31.4738, 0.1908, 0.2067**, and the grayscale version is **20.5532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2866, 0.5024, 0.3988**, and **10.4365, 0.6288, 0.3389** is the 20% darker color. If you saturate the color by 10%, you get **26.4089, 0.5855, 0.3733**, and if you desaturate by 10%, it is **29.3439, 0.5612, 0.3828**.

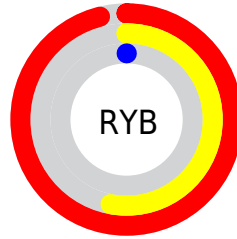
Distribution



Red (96%)

Green (34%)

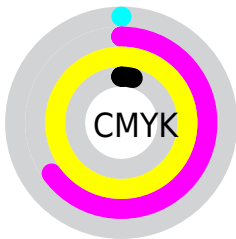
Blue (0%)



Red (96%)

Yellow (53%)

Blue (0%)

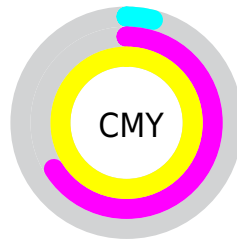


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (66%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.4092, 0.5855, 0.3733 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 26.4092, 0.5855, 0.3733 by changing the saturation by 10% instead.

 26.4092, 0.5855,
0.3733


 26.4092, 0.5855,
0.3733


284.7851, 0.4496,
0.3732


 17.1300, 0.6133,
0.3643


 53.9344, 0.5396,
0.3800

 10.3272, 0.6491,
0.3509


 72.9491, 0.5210,
0.3804

 5.6165, 0.6784,
0.3216

 95.9779, 0.5049,
0.3800

 2.6133, 0.7198,
0.2802

 123.4050, 0.4909,
0.3790

 0.9334, 0.7809,
0.2191

 155.6149, 0.4786,
0.3777

 0.0000, 1.0000,
0.0000


 192.9919, 0.4677,


 0.0000, 0.0000,


0.3762


0.0000


 235.9205, 0.4581,
0.3747


 26.4092, 0.5855,
0.3733


 26.4092, 0.5855,
0.3733


 26.4089, 0.5855,
0.3733

 29.3439, 0.5612,
0.3828

 32.9653, 0.5310,
0.3877

 37.3332, 0.4969,
0.3876

 42.4932, 0.4621,
0.3832

 48.4862, 0.4288,
0.3759

■ 55.3500, 0.3986,
0.3669

■ 63.1200, 0.3720,
0.3571

■ 71.8290, 0.3490,
0.3473

■ 81.5086, 0.3294,
0.3379

Harmonies

Analogous

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



26.4092, 0.5635, 0.2935



26.4092, 0.5855, 0.3733



26.4092, 0.5163, 0.4684

Triad

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



26.4092, 0.5855, 0.3733



26.4092, 0.1730, 0.4792



26.4092, 0.1722, 0.1384

Complementary

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



26.4092, 0.5855, 0.3733



31.4738, 0.1908, 0.2067

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.



26.4092, 0.1152, 0.1416



26.4092, 0.5855, 0.3733



26.4092, 0.1104, 0.2915

Square

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



26.4092, 0.5855, 0.3733



26.4092, 0.2821, 0.6100



26.4092, 0.0956, 0.1835



26.4092, 0.2809, 0.1654

Rectangle

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



26.4092, 0.5855, 0.3733



26.4092, 0.4438, 0.5390



26.4092, 0.0956, 0.1835



26.4092, 0.1482, 0.1359

Sweetspot

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



26.4108, 0.5855, 0.3733



68.4170, 0.3722, 0.3572



22.1333, 0.4364, 0.2178



13.8563, 0.3830, 0.3613



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.



26.4108, 0.5855, 0.3733



28.5961, 0.5858, 0.3730



65.2599, 0.4491, 0.4816



17.4408, 0.3285, 0.3374



14.3313, 0.5825, 0.3757



1.4457, 0.5586, 0.3947

Inverse Universe

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



31.4738, 0.1908, 0.2067



34.0795, 0.1907, 0.2064



7.9736, 0.1529, 0.0705



17.7145, 0.2980, 0.3204



17.0682, 0.1914, 0.2089



1.6931, 0.1960, 0.2256

Previews

White Background



This preview shows how the Yxy color 26.4092, 0.5855, 0.3733 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 26.4092, 0.5855, 0.3733 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 26.4092, 0.5855, 0.3733

Background



This preview shows how black text looks on a background with the Yxy color 26.4092, 0.5855, 0.3733.



This preview shows how white text looks on a background with the Yxy color 26.4092, 0.5855, 0.3733.

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

26.4092, 0.5855, 0.3733

Protanopia

26.4909, 0.4343, 0.4794

Deuteranopia

26.5152, 0.4708, 0.4644



Tritanopia

26.4972, 0.5331, 0.3262

Trichromacy



Original Color

26.4092, 0.5855, 0.3733

Protanomaly

24.7885, 0.4987, 0.4350

Deuteranomaly

25.4191, 0.5193, 0.4259

Tritanomaly

26.2270, 0.5640, 0.3512

Monochromacy



Original Color

26.4092, 0.5855, 0.3733

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.3831, 0.4338, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.4092, 0.5855, 0.3733 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(246, 87, 0)` looks like.

```
.text, #text, p{  
    color:rgb(246, 87, 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(246, 87, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 87, 0) }
```

Border

The CSS property to change the border of an element to Yxy 26.4092, 0.5855, 0.3733 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(246, 87, 0) }
```

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

```
.border{ border-color:rgb(246, 87, 0) }
```

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

Here you see how a box with a 4 pixel rgb(246, 87, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 87, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 87, 0);  
box-shadow:4px 4px 4px 4px rgb(246, 87, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 26.4092, 0.5855, 0.3733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 87, 0) }
```

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

```
.background{ background-color: rgb(246, 87,  
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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