

Converting Colors

$Y_{xy}(25.9612, 0.5865, 0.3725)$

Have a look what the booklet for
Yxy(25.9612, 0.5865, 0.3725)
contains.

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Color

Yxy(26.0681, 0.5861, 0.3728)

Conversions

Conversions Part 1

Format	Color
Hex	F55600
RGB	245, 86, 0
RGB Percent	96%, 34%, 0%
CMY	0.0392, 0.6627, 0.9997
CMYK	0.00, 0.65, 1.00, 0.04
HSL	21°, 100%, 48%
HSV	21°, 100%, 96%
XYZ	40.9831, 26.0681, 2.8739
YIQ	123.7370, 122.3700, 6.9620

Conversions

Conversions Part 2

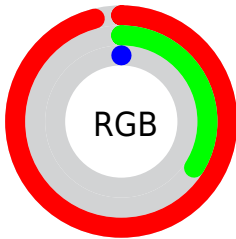
Format	Color
R_{YB}	245, 133, 0
Decimal	16078336
CIE Lab	58.10, 58.34, 68.21
CIE LCh	58, 89.756, 49.463
Yxy	26.0681, 0.5861, 0.3728
Android (android.graphics.Color)	4294268416 (0xFFFF55600)
YUV	123.7370, -61.0023, 106.3477
Hunter-Lab	51.0569, 53.9314, 32.4025

Details

The Yxy color **26.0681, 0.5861, 0.3728** 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 **31.4115, 0.1910, 0.2077**, and the grayscale version is **20.2457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9877, 0.5034, 0.3978**, and **10.2396, 0.6300, 0.3379** is the 20% darker color. If you saturate the color by 10%, you get **26.0605, 0.5862, 0.3728**, and if you desaturate by 10%, it is **28.9666, 0.5617, 0.3823**.

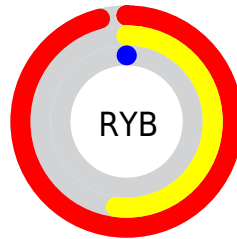
Distribution



Red (96%)

Green (34%)

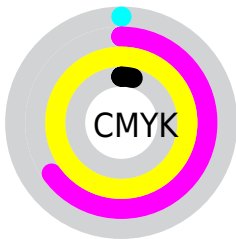
Blue (0%)



Red (96%)

Yellow (52%)

Blue (0%)

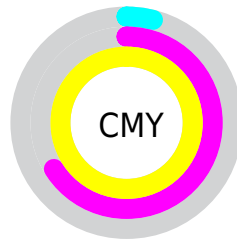


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (4%)



Cyan (4%)

Magenta (66%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.0681, 0.5861, 0.3728 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 26.0681, 0.5861, 0.3728 by changing the saturation by 10% instead.


 26.0681, 0.5861,
0.3728


 26.0681, 0.5861,
0.3728


283.1162, 0.4496,
0.3729


 16.8746, 0.6141,
0.3637


 53.3848, 0.5399,
0.3796


 10.1451, 0.6500,
0.3500

 72.2768, 0.5213,
0.3801


 5.4953, 0.6796,
0.3204

 95.1703, 0.5051,
0.3797

 2.5407, 0.7215,
0.2785

 122.4499, 0.4910,
0.3787

 0.8969, 0.7835,
0.2165

 154.4999, 0.4786,
0.3774

 0.0000, 1.0000,
0.0000


 191.7047, 0.4678,

 0.0000, 0.0000,


0.3760

0.0000

 234.4487, 0.4581,
0.3744

 26.0681, 0.5861,
0.3728


 26.0681, 0.5861,
0.3728


 26.0605, 0.5862,
0.3728

 28.9666, 0.5617,
0.3823

 32.5489, 0.5314,
0.3872

 36.8747, 0.4972,
0.3871

 41.9894, 0.4622,
0.3827

 47.9339, 0.4289,
0.3755

■ 54.7460, 0.3987,
0.3666

■ 62.4609, 0.3720,
0.3569

■ 71.1116, 0.3490,
0.3472

■ 80.7294, 0.3293,
0.3378

Harmonies

Analogous

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



26.0681, 0.5637, 0.2930



26.0681, 0.5861, 0.3728



26.0681, 0.5170, 0.4680

Triad

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



26.0681, 0.5861, 0.3728



26.0681, 0.1731, 0.4805



26.0681, 0.1716, 0.1380

Complementary

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



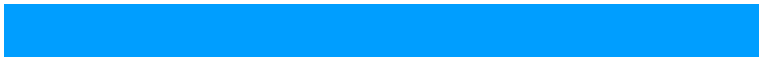
26.0681, 0.5861, 0.3728



31.4115, 0.1910, 0.2077

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.



26.0681, 0.1147, 0.1414



26.0681, 0.5861, 0.3728



26.0681, 0.1102, 0.2921

Square

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



26.0681, 0.5861, 0.3728



26.0681, 0.2824, 0.6109



26.0681, 0.0953, 0.1835



26.0681, 0.2801, 0.1649

Rectangle

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



26.0681, 0.5861, 0.3728



26.0681, 0.4444, 0.5388



26.0681, 0.0953, 0.1835



26.0681, 0.1476, 0.1357

Sweetspot

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



26.0696, 0.5861, 0.3728



68.3204, 0.3722, 0.3570



21.9261, 0.4363, 0.2177



13.8338, 0.3831, 0.3611



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.



26.0696, 0.5861, 0.3728



28.4832, 0.5865, 0.3725



64.6494, 0.4490, 0.4816



17.4335, 0.3285, 0.3374



14.2745, 0.5832, 0.3751



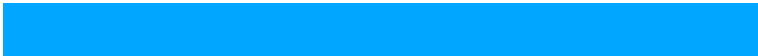
1.4401, 0.5593, 0.3941

Inverse Universe

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



31.4115, 0.1910, 0.2077



34.3219, 0.1910, 0.2074



7.9049, 0.1530, 0.0705



17.7221, 0.2980, 0.3205



17.1867, 0.1916, 0.2098



1.7030, 0.1962, 0.2265

Previews

White Background



This preview shows how the Yxy color 26.0681, 0.5861, 0.3728 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 26.0681, 0.5861, 0.3728 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 26.0681, 0.5861, 0.3728

Background



This preview shows how black text looks on a background with the Yxy color 26.0681, 0.5861, 0.3728.



This preview shows how white text looks on a background with the Yxy color 26.0681, 0.5861, 0.3728.

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

26.0681, 0.5861, 0.3728

Protanopia

26.0955, 0.4343, 0.4792

Deuteranopia

26.1222, 0.4712, 0.4641



Tritanopia

26.1516, 0.5343, 0.3263

Trichromacy



Original Color

26.0681, 0.5861, 0.3728

Protanomaly

24.4175, 0.4991, 0.4346

Deuteranomaly

25.0473, 0.5198, 0.4255

Tritanomaly

25.8845, 0.5652, 0.3511

Monochromacy



Original Color

26.0681, 0.5861, 0.3728

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.0412, 0.4347, 0.3766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.0681, 0.5861, 0.3728 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, 86, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 86, 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, 86, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 86, 0) }
```

Border

The CSS property to change the border of an element to Yxy 26.0681, 0.5861, 0.3728 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, 86, 0) }
```

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

```
.border{ border-color:rgb(245, 86, 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, 86, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 86, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 86, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 86, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 26.0681, 0.5861, 0.3728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 86, 0) }
```

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

```
.background{ background-color: rgb(245, 86,  
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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