

Converting Colors

$Yxy(26.7946, 0.5767, 0.3803)$

Have a look what the booklet for
Yxy(26.7946, 0.5767, 0.3803)
contains.

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Color

Yxy(26.7059, 0.5769, 0.3801)

Conversions

Conversions Part 1

Format	Color
Hex	F25D00
RGB	242, 93, 0
RGB Percent	95%, 36%, 0%
CMY	0.0510, 0.6353, 0.9996
CMYK	0.00, 0.62, 1.00, 0.05
HSL	23°, 100%, 47%
HSV	23°, 100%, 95%
XYZ	40.5331, 26.7059, 3.0212
YIQ	126.9490, 118.6570, 2.6650

Conversions

Conversions Part 2

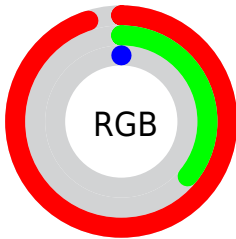
Format	Color
R_{YB}	242, 151, 0
Decimal	15883520
CIE _{Lab}	58.70, 54.36, 68.25
CIE _{LCh}	59, 87.253, 51.460
Yxy	26.7059, 0.5769, 0.3801
Android (android.graphics.Color)	4294073600 (0xFFFF25D00)
YUV	126.9490, -62.5859, 100.8997
Hunter-Lab	51.6778, 49.5692, 32.7082

Details

The Yxy color **26.7059, 0.5769, 0.3801** 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 **27.9367, 0.1877, 0.1958**, and the grayscale version is **21.3988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8332, 0.4969, 0.4030**, and **10.5492, 0.6176, 0.3478** is the 20% darker color. If you saturate the color by 10%, you get **26.6962, 0.5770, 0.3801**, and if you desaturate by 10%, it is **29.6512, 0.5532, 0.3893**.

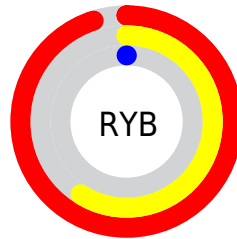
Distribution



Red (95%)

Green (36%)

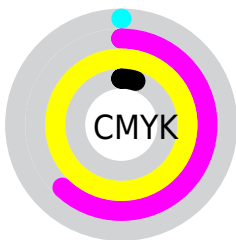
Blue (0%)



Red (95%)

Yellow (59%)

Blue (0%)

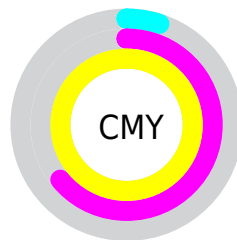


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.7059, 0.5769, 0.3801 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 26.7059, 0.5769, 0.3801 by changing the saturation by 10% instead.


 26.7059, 0.5769,
0.3801


 26.7059, 0.5769,
0.3801


286.2303, 0.4453,
0.3755


 17.3525, 0.6039,
0.3724


 54.4116, 0.5324,
0.3850


 10.4861, 0.6391,
0.3609


 73.5326, 0.5144,
0.3848

 5.7224, 0.6670,
0.3330

 96.6783, 0.4988,
0.3838

 2.6770, 0.7067,
0.2933

 124.2330, 0.4852,
0.3824

 0.9656, 0.7662,
0.2338

 156.5812, 0.4733,
0.3807


 0.0000, 1.0000,
0.0000


 194.1072, 0.4628,


 0.0000, 0.0000,

0.3790

0.0000


 237.1954, 0.4536,
0.3772

 26.7059, 0.5769,
0.3801


 26.7059, 0.5769,
0.3801

 26.6962, 0.5770,
0.3801

 29.6512, 0.5532,
0.3893

 33.2157, 0.5242,
0.3937

 37.4522, 0.4916,
0.3929

 42.3999, 0.4583,
0.3878

 48.0942, 0.4263,
0.3798

■ 54.5677, 0.3971,
0.3700

■ 61.8508, 0.3712,
0.3594

■ 69.9721, 0.3486,
0.3488

■ 78.9587, 0.3292,
0.3386

Harmonies

Analogous

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



26.7059, 0.5605, 0.3003



26.7059, 0.5769, 0.3801



26.7059, 0.5073, 0.4741

Triad

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



26.7059, 0.5769, 0.3801



26.7059, 0.1722, 0.4619



26.7059, 0.1808, 0.1432

Complementary

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



26.7059, 0.5769, 0.3801



27.9367, 0.1877, 0.1958

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.



26.7059, 0.1216, 0.1447



26.7059, 0.5769, 0.3801



26.7059, 0.1131, 0.2846

Square

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



26.7059, 0.5769, 0.3801



26.7059, 0.2777, 0.5969



26.7059, 0.1002, 0.1837



26.7059, 0.2905, 0.1717

Rectangle

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



26.7059, 0.5769, 0.3801



26.7059, 0.4360, 0.5416



26.7059, 0.1002, 0.1837



26.7059, 0.1560, 0.1403

Sweetspot

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



26.7074, 0.5769, 0.3801



69.5482, 0.3715, 0.3596



21.0582, 0.4498, 0.2252



14.1207, 0.3820, 0.3641



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.



26.7074, 0.5769, 0.3801



29.9835, 0.5775, 0.3797



66.8590, 0.4418, 0.4874



16.7541, 0.3284, 0.3381



14.5860, 0.5740, 0.3824



1.4003, 0.5495, 0.4019

Inverse Universe

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



27.9367, 0.1877, 0.1958



31.3554, 0.1876, 0.1953



7.2574, 0.1520, 0.0670



16.8500, 0.2980, 0.3197



15.2733, 0.1884, 0.1981



1.4625, 0.1937, 0.2172

Previews

White Background



This preview shows how the Yxy color 26.7059, 0.5769, 0.3801 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 26.7059, 0.5769, 0.3801 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 26.7059, 0.5769, 0.3801

Background



This preview shows how black text looks on a background with the Yxy color 26.7059, 0.5769, 0.3801.



This preview shows how white text looks on a background with the Yxy color 26.7059, 0.5769, 0.3801.

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

26.7059, 0.5769, 0.3801

Protanopia

26.8855, 0.4346, 0.4802

Deuteranopia

26.9117, 0.4705, 0.4646



Tritanopia

26.8222, 0.5168, 0.3250

Trichromacy



Original Color

26.7059, 0.5769, 0.3801

Protanomaly

25.3969, 0.4938, 0.4396

Deuteranomaly

25.9895, 0.5141, 0.4300

Tritanomaly

26.5152, 0.5516, 0.3539

Monochromacy



Original Color

26.7059, 0.5769, 0.3801

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.2906, 0.4290, 0.3809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7059, 0.5769, 0.3801 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(242, 93, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 93, 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(242, 93, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 93, 0) }
```

Border

The CSS property to change the border of an element to Yxy 26.7059, 0.5769, 0.3801 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(242, 93, 0) }
```

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

```
.border{ border-color:rgb(242, 93, 0) }
```

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

Here you see how a box with a 4 pixel rgb(242, 93, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 93, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 26.7059, 0.5769, 0.3801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 93, 0) }
```

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

```
.background{ background-color: rgb(242, 93,  
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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