

Converting Colors

$Y_{xy}(27.4255, 0.5866, 0.3724)$

Have a look what the booklet for
Yxy(27.4255, 0.5866, 0.3724)
contains.

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Color

Yxy(27.4887, 0.5865, 0.3725)

Conversions

Conversions Part 1

Format	Color
Hex	FB5800
RGB	251, 88, 0
RGB Percent	98%, 35%, 0%
CMY	0.0156, 0.6550, 0.9999
CMYK	0.00, 0.65, 1.00, 0.02
HSL	21°, 100%, 49%
HSV	21°, 100%, 98%
XYZ	43.2809, 27.4887, 3.0256
YIQ	126.7050, 125.3960, 7.1880

Conversions

Conversions Part 2

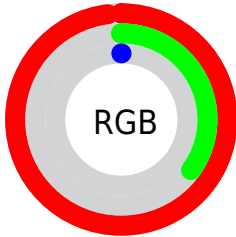
Format	Color
RYB	251, 136, 0
Decimal	16472064
CIELab	59.42, 59.57, 69.46
CIELCh	59, 91.507, 49.386
Yxy	27.4887, 0.5865, 0.3725
Android (android.graphics.Color)	4294662144 (0xFFFB5800)
YUV	126.7050, -62.4656, 109.0067
Hunter-Lab	52.4297, 55.6004, 33.2793

Details

The Yxy color **27.4887, 0.5865, 0.3725** 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 **33.1910, 0.1910, 0.2077**, and the grayscale version is **21.3026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5999, 0.5008, 0.3991**, and **10.9271, 0.6293, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **27.4863, 0.5865, 0.3725**, and if you desaturate by 10%, it is **30.5434, 0.5622, 0.3820**.

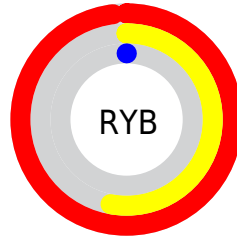
Distribution



Red (98%)

Green (35%)

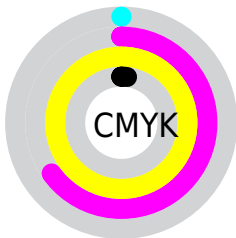
Blue (0%)



Red (98%)

Yellow (53%)

Blue (0%)

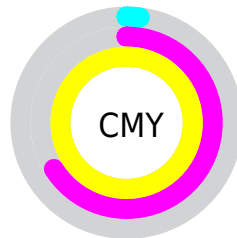


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (66%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4887, 0.5865, 0.3725 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 27.4887, 0.5865, 0.3725 by changing the saturation by 10% instead.


 27.4887, 0.5865,
0.3725


 27.4887, 0.5865,
0.3725


290.0156, 0.4511,
0.3731


 17.9406, 0.6140,
0.3635


 55.6671, 0.5410,
0.3793

 10.9073, 0.6495,
0.3505


 75.0661, 0.5225,
0.3799


 6.0046, 0.6783,
0.3217

 98.5177, 0.5065,
0.3795

 2.8479, 0.7186,
0.2814

 126.4060, 0.4924,
0.3786

 1.0528, 0.7776,
0.2224

 159.1156, 0.4801,
0.3774


 0.0000, 1.0000,
0.0000


 197.0308, 0.4693,


 0.0000, 0.0000,


0.3760


0.0000

 240.5360, 0.4597,
0.3746

 27.4887, 0.5865,
0.3725


 27.4887, 0.5865,
0.3725


 27.4863, 0.5865,
0.3725

 30.5434, 0.5622,
0.3820

 34.3227, 0.5319,
0.3871

 38.8900, 0.4976,
0.3870

 44.2935, 0.4626,
0.3827

 50.5768, 0.4292,
0.3755

■ 57.7801, 0.3989,
0.3666

■ 65.9407, 0.3722,
0.3569

■ 75.0938, 0.3491,
0.3472

■ 85.2727, 0.3294,
0.3378

Harmonies

Analogous

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



27.4887, 0.5638, 0.2927



27.4887, 0.5865, 0.3725



27.4887, 0.5174, 0.4677

Triad

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



27.4887, 0.5865, 0.3725



27.4887, 0.1731, 0.4813



27.4887, 0.1712, 0.1378

Complementary

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



27.4887, 0.5865, 0.3725



33.1910, 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.



27.4887, 0.1144, 0.1412



27.4887, 0.5865, 0.3725



27.4887, 0.1101, 0.2924

Square

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



27.4887, 0.5865, 0.3725



27.4887, 0.2826, 0.6115



27.4887, 0.0950, 0.1835



27.4887, 0.2797, 0.1646

Rectangle

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



27.4887, 0.5865, 0.3725



27.4887, 0.4447, 0.5387



27.4887, 0.0950, 0.1835



27.4887, 0.1473, 0.1354

Sweetspot

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



27.4903, 0.5865, 0.3725



68.3029, 0.3723, 0.3570



23.1657, 0.4365, 0.2178



13.8297, 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.



27.4903, 0.5865, 0.3725



28.4628, 0.5867, 0.3724



68.2931, 0.4491, 0.4816



18.2199, 0.3285, 0.3374



14.6907, 0.5835, 0.3749



1.5512, 0.5607, 0.3930

Inverse Universe

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



33.1910, 0.1910, 0.2077



34.3661, 0.1910, 0.2076



8.3331, 0.1529, 0.0704



18.5250, 0.2980, 0.3205



17.7237, 0.1916, 0.2099



1.8403, 0.1960, 0.2257

Previews

White Background



This preview shows how the Yxy color 27.4887, 0.5865, 0.3725 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 27.4887, 0.5865, 0.3725 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 27.4887, 0.5865, 0.3725

Background



This preview shows how black text looks on a background with the Yxy color 27.4887, 0.5865, 0.3725.



This preview shows how white text looks on a background with the Yxy color 27.4887, 0.5865, 0.3725.

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

27.4887, 0.5865, 0.3725

Protanopia

27.7025, 0.4338, 0.4796

Deuteranopia

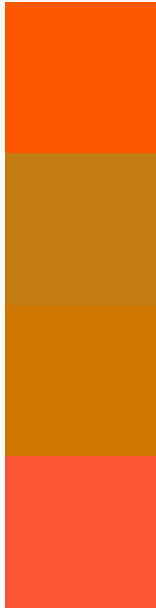
27.4321, 0.4713, 0.4640



Tritanopia

27.5891, 0.5347, 0.3263

Trichromacy



Original Color

27.4887, 0.5865, 0.3725

Protanomaly

25.9251, 0.4971, 0.4360

Deuteranomaly

26.3155, 0.5190, 0.4261

Tritanomaly

27.3119, 0.5650, 0.3507

Monochromacy



Original Color

27.4887, 0.5865, 0.3725

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.1750, 0.4345, 0.3770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4887, 0.5865, 0.3725 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(251, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(251, 88, 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(251, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 88, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.4887, 0.5865, 0.3725 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(251, 88, 0) }
```

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

```
.border{ border-color:rgb(251, 88, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 88, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(251, 88, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.4887, 0.5865, 0.3725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 88, 0) }
```

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

```
.background{ background-color: rgb(251, 88,  
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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