

Converting Colors

$Yxy(27.0854, 0.5790, 0.3784)$

Have a look what the booklet for
Yxy(27.0854, 0.5790, 0.3784)
contains.

Yxy(27.0668, 0.5795, 0.3781)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.0668, 0.5795, 0.3781)

Conversions

Conversions Part 1

Format	Color
Hex	F55C00
RGB	245, 92, 0
RGB Percent	96%, 36%, 0%
CMY	0.0392, 0.6392, 1.0000
CMYK	0.00, 0.62, 1.00, 0.04
HSL	23°, 100%, 48%
HSV	23°, 100%, 96%
XYZ	41.4843, 27.0668, 3.0353
YIQ	127.2590, 120.7200, 3.8240

Conversions

Conversions Part 2

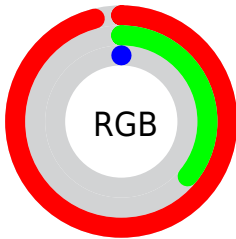
Format	Color
R_{YB}	245, 147, 0
Decimal	16079872
CIE _{Lab}	59.04, 55.84, 68.73
CIE _{LCh}	59, 88.556, 50.907
Yxy	27.0668, 0.5795, 0.3781
Android (android.graphics.Color)	4294269952 (0xFFFF55C00)
YUV	127.2590, -62.7387, 103.2589
Hunter-Lab	52.0258, 51.2872, 32.9590

Details

The Yxy color **27.0668, 0.5795, 0.3781** 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 **29.3748, 0.1885, 0.1987**, and the grayscale version is **21.5076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5208, 0.4979, 0.4020**, and **10.7910, 0.6203, 0.3457** is the 20% darker color. If you saturate the color by 10%, you get **27.0686, 0.5795, 0.3781**, and if you desaturate by 10%, it is **30.0606, 0.5556, 0.3874**.

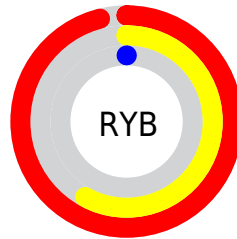
Distribution



Red (96%)

Green (36%)

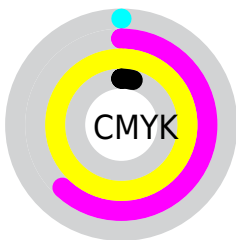
Blue (0%)



Red (96%)

Yellow (58%)

Blue (0%)

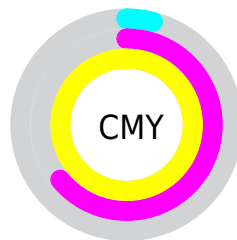


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (4%)



Cyan (4%)

Magenta (64%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0668, 0.5795, 0.3781 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 27.0668, 0.5795, 0.3781 by changing the saturation by 10% instead.


 27.0668, 0.5795,
0.3781


 27.0668, 0.5795,
0.3781


287.9804, 0.4470,
0.3749


 17.6234, 0.6066,
0.3701


 54.9910, 0.5348,
0.3835


 10.6799, 0.6418,
0.3582


 74.2407, 0.5167,
0.3835

 5.8521, 0.6699,
0.3301

 97.5278, 0.5010,
0.3827

 2.7553, 0.7095,
0.2905

 125.2369, 0.4873,
0.3814

 1.0054, 0.7686,
0.2314

 157.7523, 0.4753,
0.3799

 0.0000, 1.0000,
0.0000

 195.4584, 0.4647,

 0.0000, 0.0000,


0.3782

0.0000


 238.7397, 0.4553,
0.3766

 27.0668, 0.5795,
0.3781

 27.0668, 0.5795,
0.3781


 27.0686, 0.5795,
0.3781

 30.0606, 0.5556,
0.3874

 33.7033, 0.5263,
0.3920

 38.0508, 0.4933,
0.3914

 43.1449, 0.4595,
0.3866

 49.0230, 0.4272,
0.3787

■ 55.7199, 0.3977,
0.3692

■ 63.2678, 0.3715,
0.3588

■ 71.6972, 0.3488,
0.3485

■ 81.0366, 0.3293,
0.3384

Harmonies

Analogous

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



27.0668, 0.5615, 0.2983



27.0668, 0.5795, 0.3781



27.0668, 0.5100, 0.4725

Triad

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



27.0668, 0.5795, 0.3781



27.0668, 0.1724, 0.4670



27.0668, 0.1782, 0.1417

Complementary

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



27.0668, 0.5795, 0.3781



29.3748, 0.1885, 0.1987

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.



27.0668, 0.1196, 0.1437



27.0668, 0.5795, 0.3781



27.0668, 0.1123, 0.2866

Square

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



27.0668, 0.5795, 0.3781



27.0668, 0.2789, 0.6009



27.0668, 0.0988, 0.1836



27.0668, 0.2877, 0.1698

Rectangle

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



27.0668, 0.5795, 0.3781



27.0668, 0.4383, 0.5409



27.0668, 0.0988, 0.1836



27.0668, 0.1537, 0.1390

Sweetspot

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



27.0686, 0.5795, 0.3781



69.2306, 0.3717, 0.3589



21.7855, 0.4431, 0.2215



14.0464, 0.3823, 0.3633



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.



27.0686, 0.5795, 0.3781



29.5819, 0.5798, 0.3778



66.6689, 0.4454, 0.4845



17.5021, 0.3284, 0.3379



14.8263, 0.5765, 0.3804



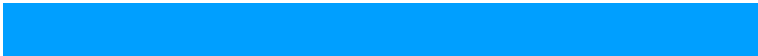
1.4939, 0.5531, 0.3991

Inverse Universe

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



29.3748, 0.1885, 0.1987



32.0991, 0.1885, 0.1984



7.6622, 0.1524, 0.0686



17.6510, 0.2980, 0.3199



16.0990, 0.1892, 0.2010



1.6121, 0.1941, 0.2188

Previews

White Background



This preview shows how the Yxy color 27.0668, 0.5795, 0.3781 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 27.0668, 0.5795, 0.3781 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 27.0668, 0.5795, 0.3781

Background



This preview shows how black text looks on a background with the Yxy color 27.0668, 0.5795, 0.3781.



This preview shows how white text looks on a background with the Yxy color 27.0668, 0.5795, 0.3781.

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

27.0668, 0.5795, 0.3781

Protanopia

27.2922, 0.4342, 0.4799

Deuteranopia

27.0312, 0.4716, 0.4638



Tritanopia

27.1851, 0.5212, 0.3252

Trichromacy



Original Color

27.0668, 0.5795, 0.3781

Protanomaly

25.6592, 0.4955, 0.4378

Deuteranomaly

26.0310, 0.5173, 0.4275

Tritanomaly

26.8778, 0.5553, 0.3532

Monochromacy



Original Color

27.0668, 0.5795, 0.3781

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.1748, 0.4311, 0.3791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0668, 0.5795, 0.3781 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, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 92, 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, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 92, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.0668, 0.5795, 0.3781 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, 92, 0) }
```

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

```
.border{ border-color:rgb(245, 92, 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, 92, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 92, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.0668, 0.5795, 0.3781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 92, 0) }
```

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

```
.background{ background-color: rgb(245, 92,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor