

Converting Colors

$Yxy(28.0847, 0.5777, 0.3795)$

Have a look what the booklet for
Yxy(28.0847, 0.5777, 0.3795)
contains.

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Color

Yxy(28.1409, 0.5775, 0.3797)

Conversions

Conversions Part 1

Format	Color
Hex	F85F00
RGB	248, 95, 0
RGB Percent	97%, 37%, 0%
CMY	0.0275, 0.6274, 1.0000
CMYK	0.00, 0.62, 1.00, 0.03
HSL	23°, 100%, 49%
HSV	23°, 100%, 97%
XYZ	42.8006, 28.1409, 3.1721
YIQ	129.9170, 121.6830, 2.8910

Conversions

Conversions Part 2

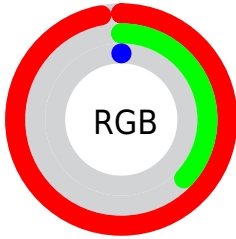
Format	Color
R_{YB}	248, 154, 0
Decimal	16277248
CIE Lab	60.02, 55.59, 69.52
CIE LCh	60, 89.013, 51.355
Yxy	28.1409, 0.5775, 0.3797
Android (android.graphics.Color)	4294467328 (0xFF85F0)
YUV	129.9170, -64.0491, 103.5588
Hunter-Lab	53.0480, 51.1846, 33.5883

Details

The Yxy color **28.1409, 0.5775, 0.3797** 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 **29.5488, 0.1877, 0.1958**, and the grayscale version is **22.4941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4779, 0.4943, 0.4043**, and **11.3904, 0.6172, 0.3482** is the 20% darker color. If you saturate the color by 10%, you get **28.1428, 0.5775, 0.3797**, and if you desaturate by 10%, it is **31.2445, 0.5539, 0.3890**.

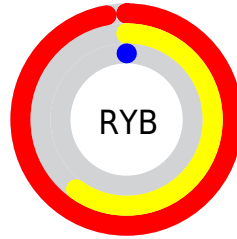
Distribution



Red (97%)

Green (37%)

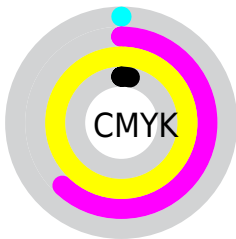
Blue (0%)



Red (97%)

Yellow (60%)

Blue (0%)

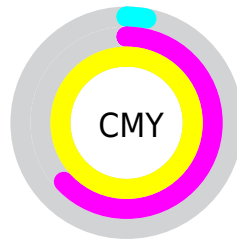


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (63%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1409, 0.5775, 0.3797 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 28.1409, 0.5775, 0.3797 by changing the saturation by 10% instead.


 28.1409, 0.5775,
0.3797


 28.1409, 0.5775,
0.3797


293.1396, 0.4469,
0.3756

 18.4319, 0.6040,
0.3721


 56.7093, 0.5336,
0.3847


 11.2605, 0.6389,
0.3611


 76.3375, 0.5158,
0.3846

 6.2423, 0.6661,
0.3339


 100.0409, 0.5003,
0.3837

 2.9930, 0.7042,
0.2958

 128.2039, 0.4868,
0.3823

 1.1281, 0.7608,
0.2392

 161.2109, 0.4749,
0.3807

 0.0018, 0.9988,
0.0012

 199.4462, 0.4644,


 0.0000, 1.0000,


0.3791


0.0000


 243.2943, 0.4551,
0.3773


 0.0000, 0.0000,
0.0000


 28.1409, 0.5775,
0.3797


 28.1409, 0.5775,
0.3797


 28.1428, 0.5775,
0.3797

 31.2445, 0.5539,
0.3890

 35.0048, 0.5248,
0.3935

 39.4781, 0.4922,
0.3928

 44.7062, 0.4588,
0.3878

 50.7268, 0.4267,
0.3797

■ 57.5747, 0.3974,
0.3700

■ 65.2823, 0.3714,
0.3595

■ 73.8800, 0.3488,
0.3489

■ 83.3966, 0.3293,
0.3386

Harmonies

Analogous

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



28.1409, 0.5608, 0.2999



28.1409, 0.5775, 0.3797



28.1409, 0.5078, 0.4739

Triad

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



28.1409, 0.5775, 0.3797



28.1409, 0.1722, 0.4629



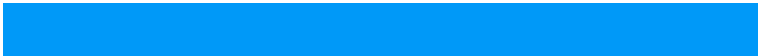
28.1409, 0.1802, 0.1429

Complementary

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



28.1409, 0.5775, 0.3797



29.5488, 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.



28.1409, 0.1211, 0.1444



28.1409, 0.5775, 0.3797



28.1409, 0.1129, 0.2850

Square

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



28.1409, 0.5775, 0.3797



28.1409, 0.2778, 0.5978



28.1409, 0.0999, 0.1836



28.1409, 0.2900, 0.1713

Rectangle

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



28.1409, 0.5775, 0.3797



28.1409, 0.4365, 0.5415



28.1409, 0.0999, 0.1836



28.1409, 0.1555, 0.1400

Sweetspot

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



28.1428, 0.5775, 0.3797



69.5147, 0.3715, 0.3595



22.3909, 0.4432, 0.2215



14.1129, 0.3821, 0.3640



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.



28.1428, 0.5775, 0.3797



29.9407, 0.5777, 0.3795



68.5169, 0.4454, 0.4845



18.3154, 0.3284, 0.3381



15.4546, 0.5746, 0.3820



1.6293, 0.5524, 0.3996

Inverse Universe

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



29.5488, 0.1877, 0.1958



31.4331, 0.1877, 0.1956



7.8680, 0.1524, 0.0686



18.4261, 0.2980, 0.3197



16.2435, 0.1884, 0.1981



1.7094, 0.1932, 0.2154

Previews

White Background



This preview shows how the Yxy color 28.1409, 0.5775, 0.3797 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 28.1409, 0.5775, 0.3797 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 28.1409, 0.5775, 0.3797

Background



This preview shows how black text looks on a background with the Yxy color 28.1409, 0.5775, 0.3797.



This preview shows how white text looks on a background with the Yxy color 28.1409, 0.5775, 0.3797.

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

28.1409, 0.5775, 0.3797

Protanopia

28.1075, 0.4341, 0.4803

Deuteranopia

28.2442, 0.4706, 0.4645



Tritanopia

28.1116, 0.5183, 0.3243

Trichromacy



Original Color

28.1409, 0.5775, 0.3797

Protanomaly

26.6855, 0.4933, 0.4398

Deuteranomaly

27.1845, 0.5156, 0.4288

Tritanomaly

27.9482, 0.5526, 0.3540

Monochromacy



Original Color

28.1409, 0.5775, 0.3797

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.2313, 0.4298, 0.3798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1409, 0.5775, 0.3797 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(248, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(248, 95, 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(248, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 95, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.1409, 0.5775, 0.3797 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(248, 95, 0) }
```

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

```
.border{ border-color:rgb(248, 95, 0) }
```

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

Here you see how a box with a 4 pixel rgb(248, 95, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(248, 95, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.1409, 0.5775, 0.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 95, 0) }
```

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

```
.background{ background-color: rgb(248, 95,  
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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