

Converting Colors

$Y_{xy}(27.3521, 0.5975, 0.3963)$

Have a look what the booklet for
Yxy(27.3521, 0.5975, 0.3963)
contains.

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Color

Yxy(27.5969, 0.5761, 0.3808)

Conversions

Conversions Part 1

Format	Color
Hex	F55F00
RGB	245, 95, 0
RGB Percent	96%, 37%, 0%
CMY	0.0392, 0.6274, 1.0000
CMYK	0.00, 0.61, 1.00, 0.04
HSL	23°, 100%, 48%
HSV	23°, 100%, 96%
XYZ	41.7505, 27.5969, 3.1235
YIQ	129.0200, 119.8950, 2.2550

Conversions

Conversions Part 2

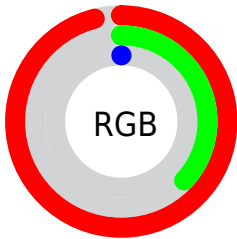
Format	Color
R_{YB}	245, 155, 0
Decimal	16080640
CIE _{Lab}	59.52, 54.55, 68.99
CIE _{LCh}	60, 87.951, 51.664
Yxy	27.5969, 0.5761, 0.3808
Android (android.graphics.Color)	4294270720 (0xFFFF55F00)
YUV	129.0200, -63.6069, 101.7145
Hunter-Lab	52.5328, 49.9307, 33.2477

Details

The Yxy color **27.5969, 0.5761, 0.3808** 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 **28.4081, 0.1873, 0.1943**, and the grayscale version is **22.1570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4660, 0.4950, 0.4049**, and **11.0264, 0.6164, 0.3488** is the 20% darker color. If you saturate the color by 10%, you get **27.5987, 0.5761, 0.3808**, and if you desaturate by 10%, it is **30.6344, 0.5525, 0.3900**.

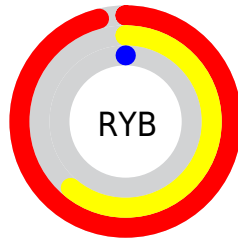
Distribution



Red (96%)

Green (37%)

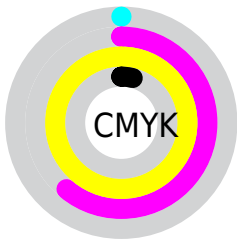
Blue (0%)



Red (96%)

Yellow (61%)

Blue (0%)

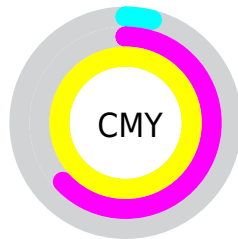


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (63%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5969, 0.5761, 0.3808 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 27.5969, 0.5761, 0.3808 by changing the saturation by 10% instead.


 27.5969, 0.5761,
0.3808


 27.5969, 0.5761,
0.3808


290.5357, 0.4457,
0.3759


 18.0220, 0.6027,
0.3733


 55.8402, 0.5322,
0.3855

 10.9658, 0.6377,
0.3623


 75.2775, 0.5144,
0.3853


 6.0438, 0.6649,
0.3351

 98.7709, 0.4989,
0.3843

 2.8718, 0.7034,
0.2966

 126.7050, 0.4854,
0.3828

 1.0652, 0.7609,
0.2391

 159.4642, 0.4736,
0.3812


 0.0000, 1.0000,
0.0000


 197.4327, 0.4631,


 0.0000, 0.0000,


0.3794


0.0000

 240.9951, 0.4539,
0.3776


 27.5969, 0.5761,
0.3808

 27.5969, 0.5761,
0.3808


 27.5987, 0.5761,
0.3808

 30.6344, 0.5525,
0.3900

 34.3037, 0.5237,
0.3944

 38.6590, 0.4913,
0.3936

 43.7401, 0.4581,
0.3884

 49.5830, 0.4263,
0.3803

■ 56.2211, 0.3971,
0.3704

■ 63.6852, 0.3712,
0.3598

■ 72.0044, 0.3487,
0.3491

■ 81.2063, 0.3293,
0.3387

Harmonies

Analogous

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



27.5969, 0.5603, 0.3010



27.5969, 0.5761, 0.3808



27.5969, 0.5064, 0.4748

Triad

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



27.5969, 0.5761, 0.3808



27.5969, 0.1720, 0.4602



27.5969, 0.1816, 0.1437

Complementary

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



27.5969, 0.5761, 0.3808



28.4081, 0.1873, 0.1943

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.



27.5969, 0.1222, 0.1450



27.5969, 0.5761, 0.3808



27.5969, 0.1133, 0.2839

Square

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



27.5969, 0.5761, 0.3808



27.5969, 0.2771, 0.5957



27.5969, 0.1007, 0.1836



27.5969, 0.2916, 0.1723

Rectangle

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



27.5969, 0.5761, 0.3808



27.5969, 0.4352, 0.5419



27.5969, 0.1007, 0.1836



27.5969, 0.1568, 0.1407

Sweetspot

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



27.5987, 0.5761, 0.3808



69.6856, 0.3714, 0.3599



21.6513, 0.4500, 0.2253



14.1528, 0.3819, 0.3644



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.



27.5987, 0.5761, 0.3808



30.1601, 0.5764, 0.3805



68.7435, 0.4419, 0.4874



17.5362, 0.3284, 0.3382



15.1158, 0.5732, 0.3831



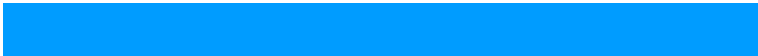
1.5217, 0.5500, 0.4015

Inverse Universe

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



28.4081, 0.1873, 0.1943



31.0388, 0.1872, 0.1940



7.4516, 0.1519, 0.0669



17.6159, 0.2980, 0.3196



15.5796, 0.1880, 0.1966



1.5684, 0.1931, 0.2150

Previews

White Background



This preview shows how the Yxy color 27.5969, 0.5761, 0.3808 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 27.5969, 0.5761, 0.3808 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 27.5969, 0.5761, 0.3808

Background



This preview shows how black text looks on a background with the Yxy color 27.5969, 0.5761, 0.3808.



This preview shows how white text looks on a background with the Yxy color 27.5969, 0.5761, 0.3808.

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

27.5969, 0.5761, 0.3808

Protanopia

27.6938, 0.4345, 0.4806

Deuteranopia

27.7151, 0.4699, 0.4651



Tritanopia

27.5618, 0.5159, 0.3242

Trichromacy



Original Color

27.5969, 0.5761, 0.3808

Protanomaly

26.1627, 0.4930, 0.4404

Deuteranomaly

26.7564, 0.5130, 0.4308

Tritanomaly

27.4012, 0.5507, 0.3545

Monochromacy



Original Color

27.5969, 0.5761, 0.3808

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.9897, 0.4285, 0.3818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5969, 0.5761, 0.3808 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, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 95, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.5969, 0.5761, 0.3808 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, 95, 0) }
```

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

```
.border{ border-color:rgb(245, 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(245, 95, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 95, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.5969, 0.5761, 0.3808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 95, 0) }
```

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

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