

Converting Colors

$Y_{xy}(27.0277, 0.5845, 0.3738)$

Have a look what the booklet for
Yxy(27.0277, 0.5845, 0.3738)
contains.

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Color

Yxy(27.1034, 0.5839, 0.3742)

Conversions

Conversions Part 1

Format	Color
Hex	F85901
RGB	248, 89, 1
RGB Percent	97%, 35%, 0%
CMY	0.0274, 0.6510, 0.9956
CMYK	0.00, 0.64, 1.00, 0.03
HSL	21°, 99%, 49%
HSV	21°, 100%, 97%
XYZ	42.2920, 27.1034, 3.0348
YIQ	126.5090, 123.0120, 6.3400

Conversions

Conversions Part 2

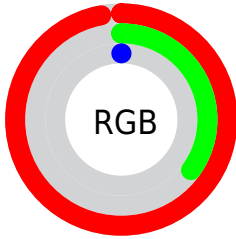
Format	Color
R_YB	248, 138, 1
Decimal	16275713
CIE Lab	59.07, 58.14, 68.79
CIE LCh	59, 90.071, 49.796
Yxy	27.1034, 0.5839, 0.3742
Android (android.graphics.Color)	4294465793 (0xFFFF85901)
YUV	126.5090, -61.8759, 106.5476
Hunter-Lab	52.0609, 53.8990, 32.9864

Details

The Yxy color **27.1034, 0.5839, 0.3742** 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 **31.9756, 0.1907, 0.2064**, and the grayscale version is **21.2363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9041, 0.4998, 0.4001**, and **10.8061, 0.6269, 0.3404** is the 20% darker color. If you saturate the color by 10%, you get **26.9817, 0.5849, 0.3738**, and if you desaturate by 10%, it is **30.1298, 0.5595, 0.3836**.

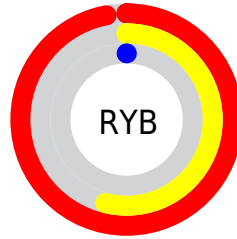
Distribution



Red (97%)

Green (35%)

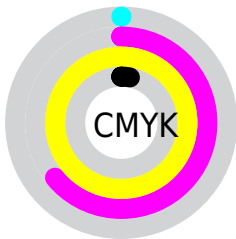
Blue (0%)



Red (97%)

Yellow (54%)

Blue (0%)

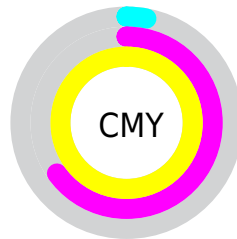


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1034, 0.5839, 0.3742 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 27.1034, 0.5839, 0.3742 by changing the saturation by 10% instead.


 27.1034, 0.5839,
0.3742


 27.1034, 0.5839,
0.3742


288.1574, 0.4493,
0.3734


 17.6509, 0.6114,
0.3656


 55.0497, 0.5385,
0.3805


 10.6996, 0.6471,
0.3529


 74.3124, 0.5201,
0.3809


 5.8652, 0.6758,
0.3242

 97.6138, 0.5042,
0.3804

 2.7633, 0.7162,
0.2838

 125.3385, 0.4902,
0.3793

 1.0094, 0.7757,
0.2243

 157.8708, 0.4780,
0.3780


 0.0000, 1.0000,
0.0000


 195.5952, 0.4673,


 0.0000, 0.0000,

0.3765


0.0000


 238.8959, 0.4577,
0.3750


 27.1034, 0.5839,
0.3742


 27.1034, 0.5839,
0.3742


 26.9817, 0.5849,
0.3738

 30.1298, 0.5595,
0.3836

 33.8564, 0.5291,
0.3883

 38.3420, 0.4950,
0.3879

 43.6324, 0.4603,
0.3833

 49.7690, 0.4273,
0.3758

■ 56.7897, 0.3973,
0.3667

■ 64.7302, 0.3709,
0.3569

■ 73.6237, 0.3481,
0.3470

■ 83.5020, 0.3286,
0.3375

Harmonies

Analogous

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



27.1034, 0.5624, 0.2945



27.1034, 0.5839, 0.3742



27.1034, 0.5150, 0.4690

Triad

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



27.1034, 0.5839, 0.3742



27.1034, 0.1734, 0.4768



27.1034, 0.1735, 0.1393

Complementary

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



27.1034, 0.5839, 0.3742



31.9756, 0.1907, 0.2064

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.



27.1034, 0.1163, 0.1424



27.1034, 0.5839, 0.3742



27.1034, 0.1112, 0.2910

Square

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



27.1034, 0.5839, 0.3742



27.1034, 0.2819, 0.6076



27.1034, 0.0965, 0.1840



27.1034, 0.2820, 0.1664

Rectangle

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



27.1034, 0.5839, 0.3742



27.1034, 0.4429, 0.5389



27.1034, 0.0965, 0.1840



27.1034, 0.1494, 0.1368

Sweetspot

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



27.1050, 0.5839, 0.3742



68.5060, 0.3721, 0.3574



22.5769, 0.4357, 0.2176



13.8771, 0.3829, 0.3616



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.



27.1050, 0.5839, 0.3742



28.7010, 0.5852, 0.3736



66.5371, 0.4488, 0.4816



18.2360, 0.3285, 0.3375



14.8140, 0.5820, 0.3761



1.5640, 0.5593, 0.3941

Inverse Universe

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



31.9756, 0.1907, 0.2064



33.8574, 0.1904, 0.2056



8.1818, 0.1531, 0.0710



18.5083, 0.2980, 0.3204



17.4671, 0.1911, 0.2079



1.8177, 0.1956, 0.2240

Previews

White Background



This preview shows how the Yxy color 27.1034, 0.5839, 0.3742 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 27.1034, 0.5839, 0.3742 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 27.1034, 0.5839, 0.3742

Background



This preview shows how black text looks on a background with the Yxy color 27.1034, 0.5839, 0.3742.



This preview shows how white text looks on a background with the Yxy color 27.1034, 0.5839, 0.3742.

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

27.1034, 0.5839, 0.3742

Protanopia

27.2966, 0.4339, 0.4793

Deuteranopia

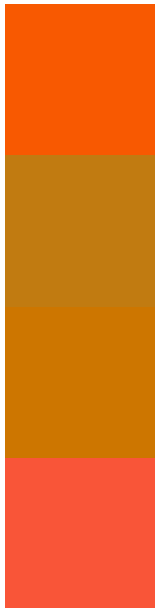
27.0312, 0.4716, 0.4638



Tritanopia

27.1986, 0.5306, 0.3262

Trichromacy



Original Color

27.1034, 0.5839, 0.3742

Protanomaly

25.5438, 0.4975, 0.4356

Deuteranomaly

25.9360, 0.5195, 0.4257

Tritanomaly

26.9223, 0.5616, 0.3514

Monochromacy



Original Color

27.1034, 0.5839, 0.3742

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.0623, 0.4332, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1034, 0.5839, 0.3742 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, 89, 1)` looks like.

```
.text, #text, p{  
    color:rgb(248, 89, 1)  
}
```

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, 89, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 89, 1) }
```

Border

The CSS property to change the border of an element to Yxy 27.1034, 0.5839, 0.3742 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, 89, 1) }
```

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

```
.border{ border-color:rgb(248, 89, 1) }
```

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

Here you see how a box with a 4 pixel rgb(248, 89, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 89, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 89, 1);  
box-shadow:4px 4px 4px 4px rgb(248, 89, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.1034, 0.5839, 0.3742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 89, 1) }
```

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

```
.background{ background-color: rgb(248, 89,  
1) }
```

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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