

Converting Colors

$Yxy(27.6247, 0.5671, 0.3877)$

Have a look what the booklet for
Yxy(27.6247, 0.5671, 0.3877)
contains.

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Color

Yxy(27.6418, 0.5674, 0.3873)

Conversions

Conversions Part 1

Format	Color
Hex	F06401
RGB	240, 100, 1
RGB Percent	94%, 39%, 0%
CMY	0.0589, 0.6078, 0.9956
CMYK	0.00, 0.58, 1.00, 0.06
HSL	25°, 99%, 47%
HSV	25°, 100%, 94%
XYZ	40.4956, 27.6418, 3.2331
YIQ	130.5740, 115.2190, -1.1090

Conversions

Conversions Part 2

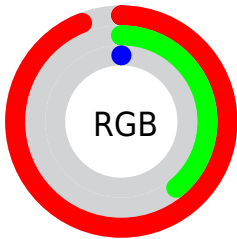
Format	Color
R_{YB}	240, 170, 1
Decimal	15754241
CIE _{Lab}	59.56, 50.53, 68.35
CIE _{LCh}	60, 85.000, 53.525
Yxy	27.6418, 0.5674, 0.3873
Android (android.graphics.Color)	4293944321 (0xFFFF06401)
YUV	130.5740, -63.8800, 95.9666
Hunter-Lab	52.5755, 45.4804, 33.1568

Details

The Yxy color **27.6418, 0.5674, 0.3873** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **25.3749, 0.1850, 0.1857**, and the grayscale version is **22.7455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7765, 0.4905, 0.4082**, and **11.1069, 0.6059, 0.3571** is the 20% darker color. If you saturate the color by 10%, you get **27.5153, 0.5684, 0.3869**, and if you desaturate by 10%, it is **30.6467, 0.5444, 0.3959**.

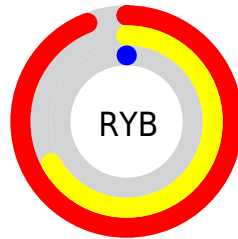
Distribution



Red (94%)

Green (39%)

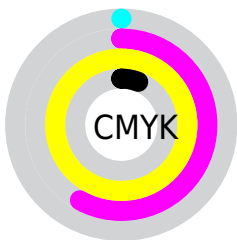
Blue (0%)



Red (94%)

Yellow (67%)

Blue (0%)

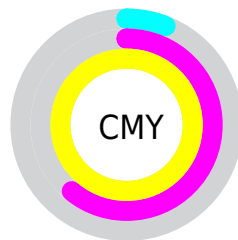


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (6%)



Cyan (6%)

Magenta (61%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6418, 0.5674, 0.3873 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 27.6418, 0.5674, 0.3873 by changing the saturation by 10% instead.


 27.6418, 0.5674,
0.3873


 27.6418, 0.5674,
0.3873


290.7513, 0.4410,
0.3779

 18.0558, 0.5933,
0.3811


 55.9120, 0.5247,
0.3902

 10.9901, 0.6280,
0.3720


 75.3651, 0.5075,
0.3893

 6.0602, 0.6539,
0.3461

 98.8760, 0.4925,
0.3878

 2.8817, 0.6908,
0.3092

 126.8290, 0.4794,
0.3859

 1.0703, 0.7468,
0.2532

 159.6087, 0.4680,
0.3839


 0.0000, 1.0000,
0.0000

 197.5994, 0.4579,

 0.0000, 0.0000,


0.3819

0.0000


 241.1855, 0.4490,
0.3799


 27.6418, 0.5674,
0.3873


 27.6418, 0.5674,
0.3873

 27.5153, 0.5684,
0.3869

 30.6467, 0.5444,
0.3959

 34.2217, 0.5164,
0.3996

 38.4132, 0.4853,
0.3980

 43.2557, 0.4534,
0.3920

 48.7805, 0.4228,
0.3832

■ 55.0162, 0.3946,
0.3726

■ 61.9896, 0.3695,
0.3612

■ 69.7259, 0.3474,
0.3499

■ 78.2491, 0.3284,
0.3389

Harmonies

Analogous

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



27.6418, 0.5567, 0.3077



27.6418, 0.5674, 0.3873



27.6418, 0.4975, 0.4798

Triad

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



27.6418, 0.5674, 0.3873



27.6418, 0.1715, 0.4441



27.6418, 0.1903, 0.1487

Complementary

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



27.6418, 0.5674, 0.3873



25.3749, 0.1850, 0.1857

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.



27.6418, 0.1288, 0.1483



27.6418, 0.5674, 0.3873



27.6418, 0.1163, 0.2779

Square

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



27.6418, 0.5674, 0.3873



27.6418, 0.2728, 0.5819



27.6418, 0.1055, 0.1841



27.6418, 0.3009, 0.1788

Rectangle

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



27.6418, 0.5674, 0.3873



27.6418, 0.4276, 0.5435



27.6418, 0.1055, 0.1841



27.6418, 0.1648, 0.1452

Sweetspot

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



27.6434, 0.5674, 0.3873



70.6729, 0.3708, 0.3619



20.5747, 0.4559, 0.2287



14.3842, 0.3811, 0.3667



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.



27.6434, 0.5674, 0.3873



31.4807, 0.5690, 0.3864



67.6896, 0.4382, 0.4901



16.8339, 0.3283, 0.3388



15.3118, 0.5656, 0.3891



1.4655, 0.5420, 0.4079

Inverse Universe

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



25.3749, 0.1850, 0.1857



28.8496, 0.1846, 0.1845



6.9934, 0.1518, 0.0660



16.7680, 0.2980, 0.3190



14.0819, 0.1854, 0.1875



1.3672, 0.1911, 0.2079

Previews

White Background



This preview shows how the Yxy color 27.6418, 0.5674, 0.3873 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 27.6418, 0.5674, 0.3873 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 27.6418, 0.5674, 0.3873

Background



This preview shows how black text looks on a background with the Yxy color 27.6418, 0.5674, 0.3873.



This preview shows how white text looks on a background with the Yxy color 27.6418, 0.5674, 0.3873.

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

27.6418, 0.5674, 0.3873

Protanopia

27.6898, 0.4349, 0.4811

Deuteranopia

27.8364, 0.4709, 0.4643



Tritanopia

27.6068, 0.5018, 0.3238

Trichromacy



Original Color

27.6418, 0.5674, 0.3873

Protanomaly

26.4200, 0.4882, 0.4442

Deuteranomaly

27.1118, 0.5094, 0.4338

Tritanomaly

27.4254, 0.5399, 0.3580

Monochromacy



Original Color

27.6418, 0.5674, 0.3873

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.7310, 0.4235, 0.3834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6418, 0.5674, 0.3873 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(240, 100, 1)` looks like.

```
.text, #text, p{  
    color:rgb(240, 100, 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(240, 100, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 100, 1) }
```

Border

The CSS property to change the border of an element to Yxy 27.6418, 0.5674, 0.3873 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(240, 100, 1) }
```

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

```
.border{ border-color:rgb(240, 100, 1) }
```

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

Here you see how a box with a 4 pixel rgb(240, 100, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 100, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 100, 1);  
box-shadow:4px 4px 4px 4px rgb(240, 100,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6418, 0.5674, 0.3873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 100, 1) }
```

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

```
.background{ background-color: rgb(240,  
100, 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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