

Converting Colors

$Y_{xy}(27.7466, 0.5345, 0.3584)$

Have a look what the booklet for
Yxy(27.7466, 0.5345, 0.3584)
contains.

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Color

Yxy(27.6540, 0.5344, 0.3580)

Conversions

Conversions Part 1

Format	Color
Hex	F06242
RGB	240, 98, 66
RGB Percent	94%, 38%, 26%
CMY	0.0589, 0.6156, 0.7413
CMYK	0.00, 0.59, 0.73, 0.06
HSL	11°, 85%, 60%
HSV	11°, 73%, 94%
XYZ	41.2802, 27.6540, 8.3116
YIQ	136.8100, 94.9040, 20.1520

Conversions

Conversions Part 2

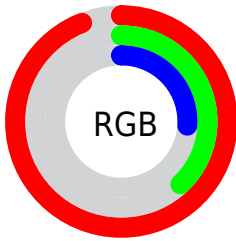
Format	Color
R_{YB}	240, 105, 66
Decimal	15753794
CIE _{Lab}	59.57, 52.90, 45.46
CIE _{LCh}	60, 69.747, 40.677
Yxy	27.6540, 0.5344, 0.3580
Android (android.graphics.Color)	4293943874 (0xFFFF06242)
YUV	136.8100, -34.9093, 90.4976
Hunter-Lab	52.5871, 48.0928, 27.4399

Details

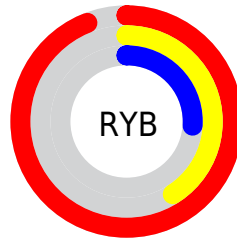
The Yxy color **27.6540, 0.5344, 0.3580** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **52.5191, 0.2208, 0.2863**, and the grayscale version is **25.0510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2803, 0.4529, 0.3680**, and **11.0501, 0.5986, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **24.2020, 0.5742, 0.3554**, and if you desaturate by 10%, it is **32.1236, 0.4919, 0.3575**.

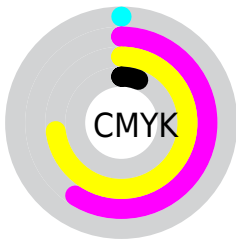
Distribution



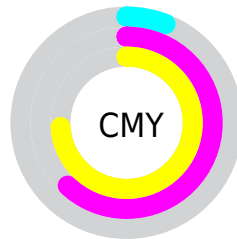
- Red (94%)
- Green (38%)
- Blue (26%)



- Red (94%)
- Yellow (41%)
- Blue (26%)



- Cyan (0%)
- Magenta (59%)
- Yellow (73%)
- Black (6%)





- Cyan (6%)
- Magenta (62%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6540, 0.5344, 0.3580 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 27.6540, 0.5344, 0.3580 by changing the saturation by 10% instead.


 27.6540, 0.5344,
0.3580


 27.6540, 0.5344,
0.3580


290.8099, 0.4169,
0.3540


 18.0650, 0.5633,
0.3542


 55.9316, 0.4914,
0.3598

 10.9967, 0.5989,
0.3463


 75.3889, 0.4752,
0.3595

 6.0646, 0.6463,
0.3325

 98.9045, 0.4616,
0.3588

 2.8844, 0.6981,
0.3019

 126.8627, 0.4500,
0.3579

 1.0717, 0.7549,
0.2451

 159.6480, 0.4400,
0.3569

 0.0000, 1.0000,
0.0000

197.6447, 0.4313,

 0.0000, 0.0000,

0.3559

0.0000

241.2372, 0.4237,
0.3549

■ 27.6540, 0.5344,
0.3580

■ 27.6540, 0.5344,
0.3580

■ 24.2020, 0.5742,
0.3554

■ 32.1236, 0.4919,
0.3575

■ 21.6804, 0.6059,
0.3494

■ 37.6791, 0.4511,
0.3546


■ 20.3388, 0.6227,
0.3438


■ 44.3881, 0.4144,
0.3502


■ 52.3114, 0.3830,
0.3452

■ 61.5053, 0.3566,
0.3400

 72.0227, 0.3347,
0.3349

 83.9134, 0.3167,
0.3301

 97.0329, 0.3035,
0.3286

 97.2614, 0.3035,
0.3290

Harmonies

Analogous

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



27.6540, 0.4841, 0.2872



27.6540, 0.5344, 0.3580



27.6540, 0.5076, 0.4350

Triad

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



27.6540, 0.5344, 0.3580



27.6540, 0.2311, 0.4786



27.6540, 0.1799, 0.1684

Complementary

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



27.6540, 0.5344, 0.3580



52.5191, 0.2208, 0.2863

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.



27.6540, 0.1393, 0.1826



27.6540, 0.5344, 0.3580



27.6540, 0.1606, 0.3432

Square

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



27.6540, 0.5344, 0.3580



27.6540, 0.3302, 0.5453



27.6540, 0.1320, 0.2364



27.6540, 0.2589, 0.1841

Rectangle

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



27.6540, 0.5344, 0.3580



27.6540, 0.4596, 0.4872



27.6540, 0.1320, 0.2364



27.6540, 0.1624, 0.1696

Sweetspot

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



27.6556, 0.5344, 0.3580



71.0958, 0.3555, 0.3397



26.9723, 0.3555, 0.1946



14.5674, 0.3622, 0.3412



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.



27.6556, 0.5344, 0.3580



26.2715, 0.5906, 0.3529



53.5604, 0.4504, 0.4448



16.2298, 0.3289, 0.3334



11.2752, 0.6204, 0.3456



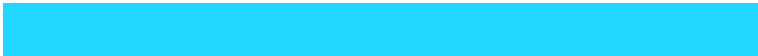
1.0680, 0.5967, 0.3644

Inverse Universe

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



52.5191, 0.2208, 0.2863



55.7024, 0.2121, 0.2763



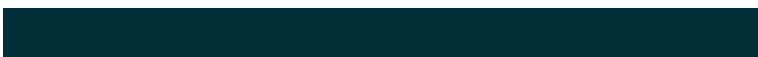
21.1398, 0.1892, 0.1612



17.4048, 0.2981, 0.3245



25.1842, 0.2081, 0.2690



2.2221, 0.2105, 0.2777

Previews

White Background



This preview shows how the Yxy color 27.6540, 0.5344, 0.3580 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 27.6540, 0.5344, 0.3580 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 27.6540, 0.5344, 0.3580

Background



This preview shows how black text looks on a background with the Yxy color 27.6540, 0.5344, 0.3580.



This preview shows how white text looks on a background with the Yxy color 27.6540, 0.5344, 0.3580.

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

27.6540, 0.5344, 0.3580

Protanopia

27.8097, 0.3922, 0.4267

Deuteranopia

27.7704, 0.4433, 0.4354



Tritanopia

27.6263, 0.4989, 0.3237

Trichromacy



Original Color

27.6540, 0.5344, 0.3580

Protanomaly

26.3919, 0.4463, 0.3975

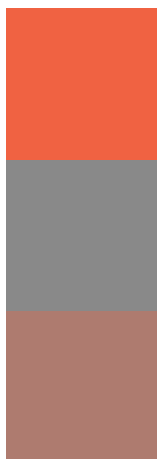
Deuteranomaly

26.9097, 0.4797, 0.4036

Tritanomaly

27.5898, 0.5134, 0.3362

Monochromacy



Original Color

27.6540, 0.5344, 0.3580

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.3123, 0.3915, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6540, 0.5344, 0.3580 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, 98, 66)` looks like.

```
.text, #text, p{  
    color:rgb(240, 98, 66)  
}
```

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, 98, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 98, 66) }
```

Border

The CSS property to change the border of an element to Yxy 27.6540, 0.5344, 0.3580 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, 98, 66) }
```

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

```
.border{ border-color:rgb(240, 98, 66) }
```

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

Here you see how a box with a 4 pixel rgb(240, 98, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 98, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 98, 66);  
box-shadow:4px 4px 4px 4px rgb(240, 98,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6540, 0.5344, 0.3580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 98, 66) }
```

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

```
.background{ background-color: rgb(240, 98,  
66) }
```

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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