

Converting Colors

$Y_{xy}(27.7648, 0.5772, 0.3577)$

Have a look what the booklet for
Yxy(27.7648, 0.5772, 0.3577)
contains.

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Color

Yxy(27.7607, 0.5770, 0.3574)

Conversions

Conversions Part 1

Format	Color
Hex	FF5429
RGB	255, 84, 41
RGB Percent	100%, 33%, 16%
CMY	0.0000, 0.6707, 0.8391
CMYK	0.00, 0.67, 0.84, 0.00
HSL	12°, 100%, 58%
HSV	12°, 84%, 100%
XYZ	44.8179, 27.7607, 5.0954
YIQ	130.2270, 115.7190, 22.8790

Conversions

Conversions Part 2

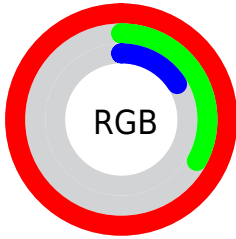
Format	Color
R_{YB}	255, 95, 41
Decimal	16733225
CIE _{Lab}	59.67, 63.00, 58.40
CIE _{LCh}	60, 85.901, 42.828
Yxy	27.7607, 0.5770, 0.3574
Android (android.graphics.Color)	4294923305 (0xFFFF5429)
YUV	130.2270, -43.9889, 109.4259
Hunter-Lab	52.6884, 59.6312, 31.1481

Details

The Yxy color **27.7607, 0.5770, 0.3574** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **54.7980, 0.2123, 0.2736**, and the grayscale version is **22.5314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0651, 0.4841, 0.3776**, and **11.0142, 0.6367, 0.3326** is the 20% darker color. If you saturate the color by 10%, you get **24.9176, 0.6071, 0.3506**, and if you desaturate by 10%, it is **31.6325, 0.5384, 0.3607**.

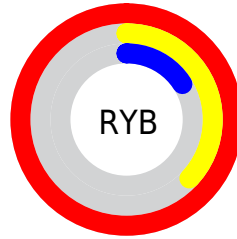
Distribution



Red (100%)

Green (33%)

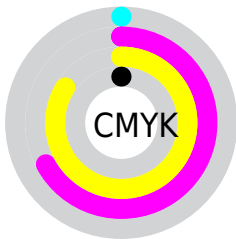
Blue (16%)



Red (100%)

Yellow (37%)

Blue (16%)

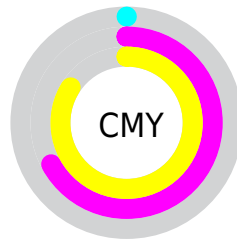


Cyan (0%)

Magenta (67%)

Yellow (84%)

Black (0%)



Cyan (0%)


Magenta (67%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7607, 0.5770, 0.3574 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 27.7607, 0.5770, 0.3574 by changing the saturation by 10% instead.


 27.7607, 0.5770,
0.3574


 27.7607, 0.5770,
0.3574


291.3217, 0.4417,
0.3606


 18.1453, 0.6072,
0.3496


 56.1022, 0.5296,
0.3637


 11.0544, 0.6427,
0.3360


 75.5971, 0.5110,
0.3645


 6.1034, 0.6861,
0.3139

 99.1539, 0.4951,
0.3645

 2.9081, 0.7270,
0.2730

 127.1572, 0.4814,
0.3641

 1.0839, 0.7860,
0.2140

 159.9912, 0.4695,
0.3634

 0.0000, 1.0000,
0.0000


 198.0403, 0.4590,

 0.0000, 0.0000,


0.3625


0.0000


241.6890, 0.4498,
0.3616


 27.7607, 0.5770,
0.3574


 27.7607, 0.5770,
0.3574


 24.9176, 0.6071,
0.3506


 31.6325, 0.5384,
0.3607

 23.6449, 0.6203,
0.3457

 36.6343, 0.4966,
0.3604

 42.8439, 0.4558,
0.3575

 50.3346, 0.4189,
0.3529

 59.1738, 0.3869,
0.3474

69.4240, 0.3599,
0.3418

81.1437, 0.3375,
0.3362

94.3882, 0.3190,
0.3310

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



27.7607, 0.5293, 0.2805



27.7607, 0.5770, 0.3574



27.7607, 0.5299, 0.4453

Triad

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



27.7607, 0.5770, 0.3574



27.7607, 0.2025, 0.5082



27.7607, 0.1622, 0.1439

Complementary

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



27.7607, 0.5770, 0.3574



54.7980, 0.2123, 0.2736

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.



27.7607, 0.1155, 0.1550



27.7607, 0.5770, 0.3574



27.7607, 0.1288, 0.3301

Square

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



27.7607, 0.5770, 0.3574



27.7607, 0.3137, 0.5965



27.7607, 0.1040, 0.2082



27.7607, 0.2550, 0.1637

Rectangle

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



27.7607, 0.5770, 0.3574



27.7607, 0.4668, 0.5108



27.7607, 0.1040, 0.2082



27.7607, 0.1422, 0.1439

Sweetspot

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



27.7575, 0.5770, 0.3574



68.2417, 0.3626, 0.3424



27.6108, 0.3683, 0.1885



13.8124, 0.3717, 0.3444



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.



27.7575, 0.5770, 0.3574



23.6449, 0.6203, 0.3457



58.5969, 0.4667, 0.4540



18.5775, 0.3289, 0.3338



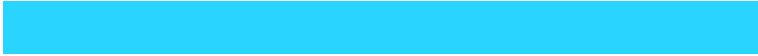
12.5206, 0.6179, 0.3476



1.3644, 0.5973, 0.3639

Inverse Universe

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



54.7980, 0.2123, 0.2736



50.3123, 0.2061, 0.2619



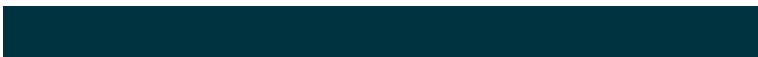
17.8381, 0.1734, 0.1286



19.8254, 0.2980, 0.3241



26.5068, 0.2064, 0.2631



2.7307, 0.2087, 0.2714

Previews

White Background



This preview shows how the Yxy color 27.7607, 0.5770, 0.3574 looks on a white background.

Color Contrast Check

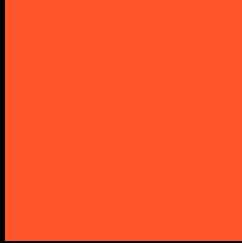
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7607, 0.5770, 0.3574 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 27.7607, 0.5770, 0.3574

Background



This preview shows how black text looks on a background with the Yxy color 27.7607, 0.5770, 0.3574.



This preview shows how white text looks on a background with the Yxy color 27.7607, 0.5770, 0.3574.

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

27.7607, 0.5770, 0.3574

Protanopia

27.8190, 0.4157, 0.4551

Deuteranopia

27.8834, 0.4668, 0.4590



Tritanopia

27.8007, 0.5380, 0.3264

Trichromacy



Original Color

27.7607, 0.5770, 0.3574

Protanomaly

25.7602, 0.4822, 0.4132

Deuteranomaly

26.5913, 0.5152, 0.4155

Tritanomaly

27.7243, 0.5552, 0.3396

Monochromacy



Original Color

27.7607, 0.5770, 0.3574

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.8061, 0.4160, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7607, 0.5770, 0.3574 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(255, 84, 41)` looks like.

```
.text, #text, p{  
    color:rgb(255, 84, 41)  
}
```

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(255, 84, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 84, 41) }
```

Border

The CSS property to change the border of an element to Yxy 27.7607, 0.5770, 0.3574 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(255, 84, 41) }
```

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

```
.border{ border-color:rgb(255, 84, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 84, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 84, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 84, 41);  
box-shadow:4px 4px 4px 4px rgb(255, 84,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7607, 0.5770, 0.3574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 84, 41) }
```

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

```
.background{ background-color: rgb(255, 84,  
41) }
```

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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