

Converting Colors

$Y_{xy}(27.1071, 0.5854, 0.3575)$

Have a look what the booklet for
Yxy(27.1071, 0.5854, 0.3575)
contains.

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Color

Yxy(27.1071, 0.5854, 0.3575)

Conversions

Conversions Part 1

Format	Color
Hex	FF5021
RGB	255, 80, 33
RGB Percent	100%, 31%, 13%
CMY	0.0000, 0.6863, 0.8707
CMYK	0.00, 0.69, 0.87, 0.00
HSL	13°, 100%, 56%
HSV	13°, 87%, 100%
XYZ	44.3874, 27.1071, 4.3296
YIQ	126.9670, 119.3870, 22.4830

Conversions

Conversions Part 2

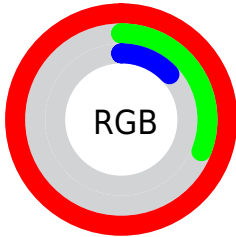
Format	Color
R_{YB}	255, 93, 33
Decimal	16732193
CIE _{Lab}	59.07, 64.33, 61.17
CIE _{LCh}	59, 88.772, 43.559
Yxy	27.1071, 0.5854, 0.3575
Android (android.graphics.Color)	4294922273 (0xFFFF5021)
YUV	126.9670, -46.3257, 112.2849
Hunter-Lab	52.0645, 61.0668, 31.5147

Details

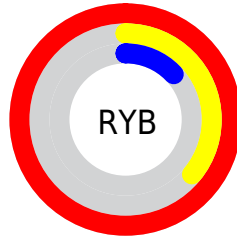
The Yxy color **27.1071, 0.5854, 0.3575** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **52.6464, 0.2098, 0.2680**, and the grayscale version is **21.3396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0771, 0.4927, 0.3803**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **24.4967, 0.6121, 0.3496**, and if you desaturate by 10%, it is **30.7022, 0.5492, 0.3620**.

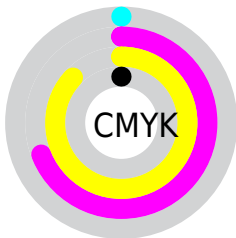
Distribution



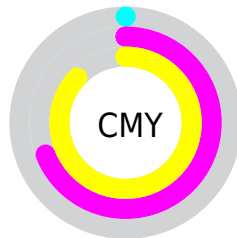
- Red (100%)
- Green (31%)
- Blue (13%)



- Red (100%)
- Yellow (36%)
- Blue (13%)



- Cyan (0%)
- Magenta (69%)
- Yellow (87%)
- Black (0%)





- Cyan (0%)
- Magenta (69%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.1071, 0.5854, 0.3575 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 27.1071, 0.5854, 0.3575 by changing the saturation by 10% instead.


 27.1071, 0.5854,
0.3575


 27.1071, 0.5854,
0.3575

288.1753, 0.4466,
0.3624


 17.6537, 0.6157,
0.3486


 55.0557, 0.5372,
0.3649


 10.7016, 0.6522,
0.3342


 74.3196, 0.5182,
0.3660


 5.8666, 0.6915,
0.3085

 97.6225, 0.5018,
0.3662

 2.7641, 0.7336,
0.2664

 125.3488, 0.4877,
0.3659

 1.0099, 0.7942,
0.2058

 157.8828, 0.4754,
0.3652

 0.0000, 1.0000,
0.0000

 195.6090, 0.4646,

 0.0000, 0.0000,

0.3644

0.0000

238.9117, 0.4551,
0.3634

27.1071, 0.5854,
0.3575

27.1071, 0.5854,
0.3575

24.4967, 0.6121,
0.3496

30.7022, 0.5492,
0.3620

23.8983, 0.6183,
0.3472

35.3787, 0.5082,
0.3627

41.2158, 0.4672,
0.3603

48.2861, 0.4293,
0.3558

56.6560, 0.3960,
0.3503

66.3872, 0.3677,
0.3443

77.5372, 0.3441,
0.3384

90.1602, 0.3245,
0.3328

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.



27.1071, 0.5403, 0.2797



27.1071, 0.5854, 0.3575



27.1071, 0.5327, 0.4478

Triad

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



27.1071, 0.5854, 0.3575



27.1071, 0.1950, 0.5128



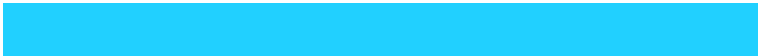
27.1071, 0.1594, 0.1391

Complementary

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



27.1071, 0.5854, 0.3575



52.6464, 0.2098, 0.2680

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.



27.1071, 0.1112, 0.1491



27.1071, 0.5854, 0.3575



27.1071, 0.1218, 0.3249

Square

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



27.1071, 0.5854, 0.3575



27.1071, 0.3081, 0.6077



27.1071, 0.0984, 0.2014



27.1071, 0.2556, 0.1600

Rectangle

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



27.1071, 0.5854, 0.3575



27.1071, 0.4661, 0.5163



27.1071, 0.0984, 0.2014



27.1071, 0.1388, 0.1388

Sweetspot

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



27.1057, 0.5854, 0.3575



67.5102, 0.3650, 0.3437



27.0291, 0.3707, 0.1873



13.6835, 0.3740, 0.3458



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.



27.1057, 0.5854, 0.3575



23.8983, 0.6183, 0.3472



57.5040, 0.4711, 0.4546



18.6103, 0.3289, 0.3341



12.6603, 0.6158, 0.3492



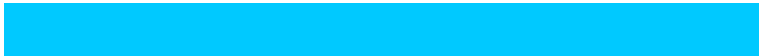
1.3824, 0.5950, 0.3658

Inverse Universe

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



52.6464, 0.2098, 0.2680



48.9934, 0.2050, 0.2579



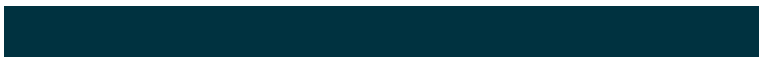
16.5773, 0.1701, 0.1216



19.7899, 0.2980, 0.3238



25.8255, 0.2054, 0.2592



2.6700, 0.2078, 0.2681

Previews

White Background



This preview shows how the Yxy color 27.1071, 0.5854, 0.3575 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 27.1071, 0.5854, 0.3575 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 27.1071, 0.5854, 0.3575

Background



This preview shows how black text looks on a background with the Yxy color 27.1071, 0.5854, 0.3575.



This preview shows how white text looks on a background with the Yxy color 27.1071, 0.5854, 0.3575.

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

27.1071, 0.5854, 0.3575

Protanopia

27.2292, 0.4205, 0.4644

Deuteranopia

27.0312, 0.4716, 0.4638



Tritanopia

27.1469, 0.5468, 0.3274

Trichromacy



Original Color

27.1071, 0.5854, 0.3575

Protanomaly

25.0767, 0.4896, 0.4176

Deuteranomaly

25.5534, 0.5227, 0.4184

Tritanomaly

27.0677, 0.5644, 0.3405

Monochromacy



Original Color

27.1071, 0.5854, 0.3575

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.9408, 0.4237, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1071, 0.5854, 0.3575 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, 80, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 80, 33)  
}
```

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, 80, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 80, 33) }
```

Border

The CSS property to change the border of an element to Yxy 27.1071, 0.5854, 0.3575 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, 80, 33) }
```

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

```
.border{ border-color:rgb(255, 80, 33) }
```

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

Here you see how a box with a 4 pixel rgb(255, 80, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 80, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 80, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 80,  
33) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 27.1071, 0.5854, 0.3575$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 80, 33) }
```

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

```
.background{ background-color: rgb(255, 80,  
33) }
```

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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