

Converting Colors

$Y_{xy}(27.8818, 0.5371, 0.3353)$

Have a look what the booklet for
Yxy(27.8818, 0.5371, 0.3353)
contains.

Yxy(27.9048, 0.5367, 0.3355)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.9048, 0.5367, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	FB5750
RGB	251, 87, 80
RGB Percent	98%, 34%, 31%
CMY	0.0157, 0.6588, 0.6861
CMYK	0.00, 0.65, 0.68, 0.02
HSL	2°, 96%, 65%
HSV	2°, 68%, 98%
XYZ	44.6394, 27.9048, 10.6296
YIQ	135.2380, 99.9910, 32.5910

Conversions

Conversions Part 2

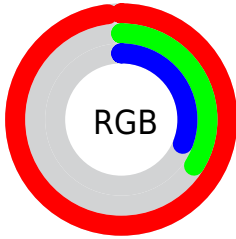
Format	Color
R_{YB}	251, 87, 80
Decimal	16471888
CIE _{Lab}	59.80, 61.92, 38.60
CIE _{LCh}	60, 72.967, 31.942
Yxy	27.9048, 0.5367, 0.3355
Android (android.graphics.Color)	4294661968 (0xFFFB5750)
YUV	135.2380, -27.2323, 101.5233
Hunter-Lab	52.8250, 58.3963, 25.0470

Details

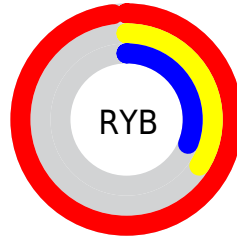
The Yxy color **27.9048, 0.5367, 0.3355** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **73.3825, 0.2317, 0.3203**, and the grayscale version is **24.4002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8182, 0.4436, 0.3438**, and **11.1188, 0.6045, 0.3199** is the 20% darker color. If you saturate the color by 10%, you get **24.3315, 0.5815, 0.3349**, and if you desaturate by 10%, it is **32.9190, 0.4893, 0.3353**.

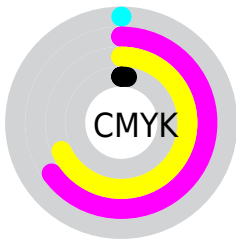
Distribution



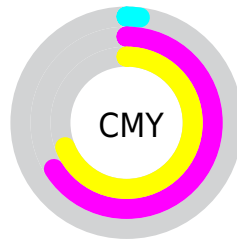
- Red (98%)
- Green (34%)
- Blue (31%)



- Red (98%)
- Yellow (34%)
- Blue (31%)



- Cyan (0%)
- Magenta (65%)
- Yellow (68%)
- Black (2%)




- Cyan (2%)
- Magenta (66%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9048, 0.5367, 0.3355 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 27.9048, 0.5367, 0.3355 by changing the saturation by 10% instead.


 27.9048, 0.5367,
0.3355

 27.9048, 0.5367,
0.3355


292.0117, 0.4171,
0.3420


 18.2539, 0.5670,
0.3299


 56.3324, 0.4924,
0.3407

 11.1324, 0.6050,
0.3202


 75.8779, 0.4759,
0.3418

 6.1560, 0.6530,
0.3031

 99.4904, 0.4621,
0.3423

 2.9402, 0.7234,
0.2766

 127.5543, 0.4503,
0.3425

 1.1006, 0.7819,
0.2181

 160.4540, 0.4402,
0.3425

 0.0000, 1.0000,
0.0000

198.5739, 0.4315,

 0.0000, 0.0000,

0.3424

0.0000

242.2983, 0.4238,
0.3422

■ 27.9048, 0.5367,
0.3355

■ 27.9048, 0.5367,
0.3355

■ 24.3315, 0.5815,
0.3349

■ 32.9190, 0.4893,
0.3353

■ 22.0431, 0.6162,
0.3335

■ 39.4997, 0.4448,
0.3345


■ 20.8542, 0.6357,
0.3316

■ 47.7642, 0.4061,
0.3335

■ 20.7305, 0.6381,
0.3316

■ 57.8174, 0.3739,
0.3322

■ 69.7557, 0.3477,
0.3310

 83.6683, 0.3267,
0.3299

 99.2481, 0.3102,
0.3290

Harmonies

Analogous

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



27.9048, 0.4617, 0.2654



27.9048, 0.5367, 0.3355



27.9048, 0.5289, 0.4124

Triad

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



27.9048, 0.5367, 0.3355



27.9048, 0.2551, 0.5185



27.9048, 0.1596, 0.1642

Complementary

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



27.9048, 0.5367, 0.3355



73.3825, 0.2317, 0.3203

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.



27.9048, 0.1285, 0.1886



27.9048, 0.5367, 0.3355



27.9048, 0.1715, 0.3850

Square

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



27.9048, 0.5367, 0.3355



27.9048, 0.3600, 0.5523



27.9048, 0.1307, 0.2582



27.9048, 0.2285, 0.1720

Rectangle

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



27.9048, 0.5367, 0.3355



27.9048, 0.4872, 0.4673



27.9048, 0.1307, 0.2582



27.9048, 0.1454, 0.1683

Sweetspot

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



27.9064, 0.5367, 0.3355



69.8016, 0.3523, 0.3313



32.8613, 0.3254, 0.1807



14.1750, 0.3594, 0.3316



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.



27.9064, 0.5367, 0.3355



24.1355, 0.5968, 0.3344



50.2943, 0.4634, 0.4174



17.3387, 0.3293, 0.3300



10.9477, 0.6372, 0.3323



1.0527, 0.6302, 0.3378

Inverse Universe

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



73.3825, 0.2317, 0.3203



73.9934, 0.2249, 0.3184



33.7496, 0.2040, 0.2070



19.4799, 0.2980, 0.3280



36.7080, 0.2212, 0.3162



3.4365, 0.2216, 0.3178

Previews

White Background



This preview shows how the Yxy color 27.9048, 0.5367, 0.3355 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 27.9048, 0.5367, 0.3355 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 27.9048, 0.5367, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 27.9048, 0.5367, 0.3355.



This preview shows how white text looks on a background with the Yxy color 27.9048, 0.5367, 0.3355.

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

27.9048, 0.5367, 0.3355

Protanopia

27.9540, 0.3702, 0.3975

Deuteranopia

27.8112, 0.4304, 0.4208



Tritanopia

27.7444, 0.5262, 0.3253

Trichromacy



Original Color

27.9048, 0.5367, 0.3355

Protanomaly

26.0326, 0.4342, 0.3701

Deuteranomaly

26.6672, 0.4745, 0.3834

Tritanomaly

27.8367, 0.5304, 0.3296

Monochromacy



Original Color

27.9048, 0.5367, 0.3355

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.5418, 0.3927, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9048, 0.5367, 0.3355 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(251, 87, 80)` looks like.

```
.text, #text, p{  
  color:rgb(251, 87, 80)  
}
```

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(251, 87, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 87, 80) }
```

Border

The CSS property to change the border of an element to Yxy 27.9048, 0.5367, 0.3355 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(251, 87, 80) }
```

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

```
.border{ border-color:rgb(251, 87, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 87, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 87, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 87, 80);  
box-shadow:4px 4px 4px 4px rgb(251, 87,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9048, 0.5367, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 87, 80) }
```

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

```
.background{ background-color: rgb(251, 87,  
80) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor