

Converting Colors

$Y_{xy}(27.2554, 0.5333, 0.3176)$

Have a look what the booklet for
Yxy(27.2554, 0.5333, 0.3176)
contains.

Yxy(27.1842, 0.5338, 0.3175)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.1842, 0.5338, 0.3175)

Conversions

Conversions Part 1

Format	Color
Hex	FF4C5B
RGB	255, 76, 91
RGB Percent	100%, 30%, 36%
CMY	0.0001, 0.7017, 0.6432
CMYK	0.00, 0.70, 0.64, 0.00
HSL	355°, 100%, 65%
HSV	355°, 70%, 100%
XYZ	45.7037, 27.1842, 12.7316
YIQ	131.2310, 101.8690, 42.6130

Conversions

Conversions Part 2

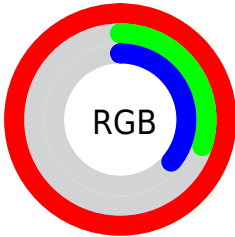
Format	Color
RYB	255, 76, 91
Decimal	16731227
CIELab	59.14, 67.82, 31.76
CIELCh	59, 74.888, 25.093
Yxy	27.1842, 0.5338, 0.3175
Android (android.graphics.Color)	4294921307 (0xFFFF4C5B)
YUV	131.2310, -19.8339, 108.5454
Hunter-Lab	52.1385, 65.2278, 22.0190

Details

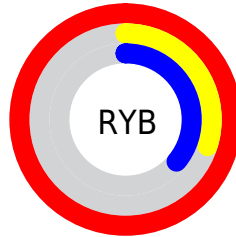
The Yxy color **27.1842, 0.5338, 0.3175** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle washed red. A complement of this color would be **79.3326, 0.2382, 0.3469**, and the grayscale version is **22.8366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5110, 0.4364, 0.3232**, and **11.2658, 0.5979, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **23.9961, 0.5777, 0.3192**, and if you desaturate by 10%, it is **31.8922, 0.4876, 0.3174**.

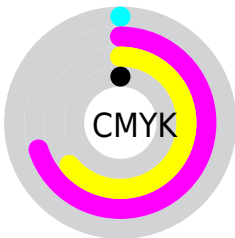
Distribution



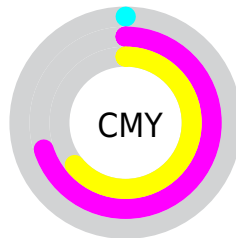
- Red (100%)
- Green (30%)
- Blue (36%)



- Red (100%)
- Yellow (30%)
- Blue (36%)



- Cyan (0%)
- Magenta (70%)
- Yellow (64%)
- Black (0%)





- Cyan (0%)
- Magenta (70%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1842, 0.5338, 0.3175 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 27.1842, 0.5338, 0.3175 by changing the saturation by 10% instead.


 27.1842, 0.5338,
0.3175


 27.1842, 0.5338,
0.3175


288.5479, 0.4146,
0.3320


 17.7116, 0.5648,
0.3105


 55.1793, 0.4892,
0.3252

 10.7431, 0.6043,
0.2994


 74.4706, 0.4727,
0.3273


 5.8944, 0.6553,
0.2812

 97.8036, 0.4590,
0.3288

 2.7810, 0.7366,
0.2554

 125.5627, 0.4473,
0.3299

 1.0185, 0.8033,
0.1967

 158.1323, 0.4373,
0.3307

 0.0000, 1.0000,
0.0000


195.8967, 0.4287,


 0.0000, 0.0000,


0.3312

0.0000


239.2405, 0.4212,
0.3317

 27.1842, 0.5338,
0.3175


 27.1842, 0.5338,
0.3175


 23.9961, 0.5777,
0.3192


 31.8922, 0.4876,
0.3174

 22.1357, 0.6125,
0.3225

 38.2728, 0.4443,
0.3185

 21.3092, 0.6332,
0.3262

 46.4651, 0.4066,
0.3203

 56.5926, 0.3752,
0.3225

 68.7677, 0.3498,
0.3247

 83.0946, 0.3293,
0.3269

99.6700, 0.3130,
0.3290

99.9940, 0.3127,
0.3290

Harmonies

Analogous

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



27.1842, 0.4394, 0.2482



27.1842, 0.5338, 0.3175



27.1842, 0.5436, 0.3940

Triad

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



27.1842, 0.5338, 0.3175



27.1842, 0.2761, 0.5458



27.1842, 0.1454, 0.1624

Complementary

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



27.1842, 0.5338, 0.3175



79.3326, 0.2382, 0.3469

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.



27.1842, 0.1216, 0.1958



27.1842, 0.5338, 0.3175



27.1842, 0.1829, 0.4222

Square

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



27.1842, 0.5338, 0.3175



27.1842, 0.3842, 0.5509



27.1842, 0.1315, 0.2800



27.1842, 0.2060, 0.1637

Rectangle

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



27.1842, 0.5338, 0.3175



27.1842, 0.5082, 0.4496



27.1842, 0.1315, 0.2800



27.1842, 0.1337, 0.1691

Sweetspot

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



27.1858, 0.5338, 0.3175



67.6956, 0.3517, 0.3245



30.4125, 0.3029, 0.1657



13.7352, 0.3583, 0.3239



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.



27.1858, 0.5338, 0.3175



23.1444, 0.5924, 0.3203



42.8379, 0.4903, 0.3958



18.0117, 0.3281, 0.3271



11.1461, 0.6312, 0.3251



1.0933, 0.6127, 0.3149

Inverse Universe

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



27.1858, 0.5338, 0.3175



23.1444, 0.5924, 0.3203



42.7906, 0.2094, 0.2355



18.0117, 0.3281, 0.3271



11.1461, 0.6312, 0.3251



1.0933, 0.6127, 0.3149

Previews

White Background



This preview shows how the Yxy color 27.1842, 0.5338, 0.3175 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 27.1842, 0.5338, 0.3175 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 27.1842, 0.5338, 0.3175

Background



This preview shows how black text looks on a background with the Yxy color 27.1842, 0.5338, 0.3175.



This preview shows how white text looks on a background with the Yxy color 27.1842, 0.5338, 0.3175.

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

27.1842, 0.5338, 0.3175

Protanopia

27.2333, 0.3475, 0.3681

Deuteranopia

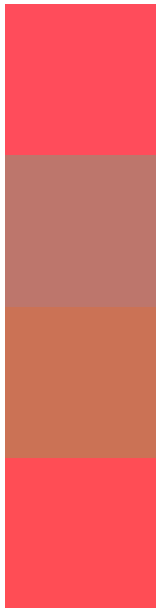
27.2162, 0.4161, 0.4076



Tritanopia

27.3180, 0.5437, 0.3265

Trichromacy



Original Color

27.1842, 0.5338, 0.3175

Protanomaly

24.8584, 0.4166, 0.3432

Deuteranomaly

25.3870, 0.4648, 0.3655

Tritanomaly

27.2236, 0.5407, 0.3233

Monochromacy



Original Color

27.1842, 0.5338, 0.3175

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.8599, 0.3936, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1842, 0.5338, 0.3175 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, 76, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 76, 91)  
}
```

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, 76, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 76, 91) }
```

Border

The CSS property to change the border of an element to Yxy 27.1842, 0.5338, 0.3175 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, 76, 91) }
```

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

```
.border{ border-color:rgb(255, 76, 91) }
```

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

Here you see how a box with a 4 pixel rgb(255, 76, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 76, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 76, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 76,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1842, 0.5338, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 76, 91) }
```

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

```
.background{ background-color: rgb(255, 76,  
91) }
```

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