

Converting Colors

$Y_{xy}(27.2616, 0.5330, 0.3175)$

Have a look what the booklet for
Yxy(27.2616, 0.5330, 0.3175)
contains.

Yxy(27.3231, 0.5332, 0.3182)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(27.3231, 0.5332, 0.3182)

Conversions

Conversions Part 1	
Format	Color
Hex	FF4D5B
RGB	255, 77, 91
RGB Percent	100%, 30%, 36%
CMY	0.0000, 0.6980, 0.6431
CMYK	0.00, 0.70, 0.64, 0.00
HSL	355°, 100%, 65%
HSV	355°, 70%, 100%
XYZ	45.7847, 27.3231, 12.7599
YIQ	131.8180, 101.5940, 42.0900

Conversions

Conversions Part 2

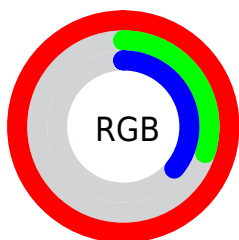
Format	Color
RYB	255, 77, 91
Decimal	16731483
CIELab	59.27, 67.50, 31.91
CIELCh	59, 74.662, 25.300
Yxy	27.3231, 0.5332, 0.3182
Android (android.graphics.Color)	4294921563 (0xFFFF4D5B)
YUV	131.8180, -20.1233, 108.0306
Hunter-Lab	52.2715, 64.8732, 22.1168

Details

The Yxy color **27.3231, 0.5332, 0.3182** 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 **79.4482, 0.2380, 0.3457**, and the grayscale version is **23.0517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7914, 0.4359, 0.3242**, and **11.2658, 0.5979, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **24.0831, 0.5773, 0.3198**, and if you desaturate by 10%, it is **32.0878, 0.4868, 0.3181**.

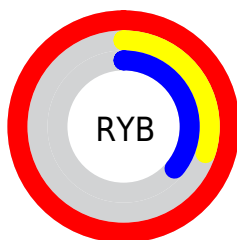
Distribution



Red (100%)

Green (30%)

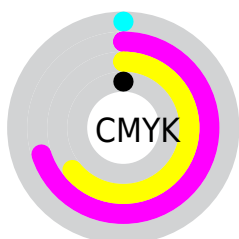
Blue (36%)



Red (100%)

Yellow (30%)

Blue (36%)

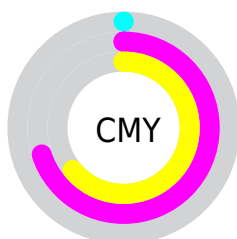


Cyan (0%)

Magenta (70%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (70%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3231, 0.5332, 0.3182 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 27.3231, 0.5332, 0.3182 by changing the saturation by 10% instead.


 27.3231, 0.5332,
0.3182


 27.3231, 0.5332,
0.3182


289.2181, 0.4144,
0.3323


 17.8160, 0.5640,
0.3113


 55.4019, 0.4887,
0.3257

 10.8180, 0.6034,
0.3004


 74.7424, 0.4723,
0.3278

 5.9446, 0.6542,
0.2823


 98.1296, 0.4586,
0.3293

 2.8114, 0.7348,
0.2568

 125.9477, 0.4470,
0.3303

 1.0341, 0.8015,
0.1985

 158.5812, 0.4371,
0.3311

 0.0000, 1.0000,
0.0000


196.4145, 0.4285,


 0.0000, 0.0000,


0.3316

0.0000


239.8320, 0.4210,
0.3320


 27.3231, 0.5332,
0.3182


 27.3231, 0.5332,
0.3182


 24.0831, 0.5773,
0.3198


 32.0878, 0.4868,
0.3181

 22.1808, 0.6123,
0.3229


 38.5333, 0.4435,
0.3191

 21.3233, 0.6334,
0.3264

 46.7971, 0.4058,
0.3209

 21.3107, 0.6337,
0.3265

 57.0024, 0.3745,
0.3229

 69.2615, 0.3491,
0.3250

 83.6783, 0.3287,
0.3271

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.



27.3231, 0.4397, 0.2490



27.3231, 0.5332, 0.3182



27.3231, 0.5426, 0.3946

Triad

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



27.3231, 0.5332, 0.3182



27.3231, 0.2757, 0.5441



27.3231, 0.1462, 0.1629

Complementary

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



27.3231, 0.5332, 0.3182



79.4482, 0.2380, 0.3457

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.



27.3231, 0.1222, 0.1959



27.3231, 0.5332, 0.3182



27.3231, 0.1830, 0.4207

Square

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



27.3231, 0.5332, 0.3182



27.3231, 0.3834, 0.5503



27.3231, 0.1320, 0.2795



27.3231, 0.2070, 0.1644

Rectangle

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



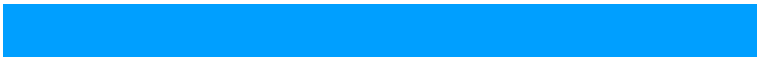
27.3231, 0.5332, 0.3182



27.3231, 0.5072, 0.4501



27.3231, 0.1320, 0.2795



27.3231, 0.1345, 0.1695

Sweetspot

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



27.3233, 0.5332, 0.3182



67.6833, 0.3519, 0.3248



31.0823, 0.3058, 0.1677



13.7324, 0.3585, 0.3242



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.



27.3233, 0.5332, 0.3182



23.1341, 0.5935, 0.3209



43.9828, 0.4864, 0.3986



18.0103, 0.3282, 0.3272



11.1434, 0.6318, 0.3254



1.0926, 0.6141, 0.3157

Inverse Universe

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



27.3233, 0.5332, 0.3182



23.1341, 0.5935, 0.3209



41.7779, 0.2088, 0.2320



18.0103, 0.3282, 0.3272



11.1434, 0.6318, 0.3254



1.0926, 0.6141, 0.3157

Previews

White Background



This preview shows how the Yxy color 27.3231, 0.5332, 0.3182 looks on a white background.

Color Contrast Check

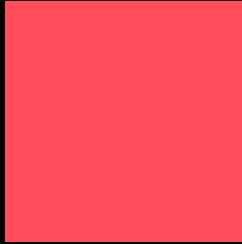
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3231, 0.5332, 0.3182 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 27.3231, 0.5332, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 27.3231, 0.5332, 0.3182.



This preview shows how white text looks on a background with the Yxy color 27.3231, 0.5332, 0.3182.

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

27.3231, 0.5332, 0.3182

Protanopia

27.5322, 0.3471, 0.3697

Deuteranopia

27.2162, 0.4161, 0.4076



Tritanopia

27.3180, 0.5437, 0.3265

Trichromacy



Original Color

27.3231, 0.5332, 0.3182



Protanomaly

25.0952, 0.4160, 0.3446



Deuteranomaly

25.6139, 0.4639, 0.3667



Tritanomaly

27.3647, 0.5401, 0.3241

Monochromacy



Original Color

27.3231, 0.5332, 0.3182



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

22.2198, 0.3930, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3231, 0.5332, 0.3182 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, 77, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 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, 77, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 91) }
```

Border

The CSS property to change the border of an element to Yxy 27.3231, 0.5332, 0.3182 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, 77, 91) }
```

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

```
.border{ border-color:rgb(255, 77, 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, 77, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3231, 0.5332, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 91) }
```

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

```
.background{ background-color: rgb(255, 77,  
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](#).

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