

Converting Colors

$Yxy(31.8406, 0.4956, 0.3241)$

Have a look what the booklet for
Yxy(31.8406, 0.4956, 0.3241)
contains.

Yxy(31.8455, 0.4953, 0.3239)	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(31.8455, 0.4953, 0.3239)

Conversions

Conversions Part 1

Format	Color
Hex	FF666C
RGB	255, 102, 108
RGB Percent	100%, 40%, 42%
CMY	0.0000, 0.5999, 0.5763
CMYK	0.00, 0.60, 0.58, 0.00
HSL	358°, 100%, 70%
HSV	358°, 60%, 100%
XYZ	48.6974, 31.8455, 17.7761
YIQ	148.4310, 89.2620, 34.3020

Conversions

Conversions Part 2

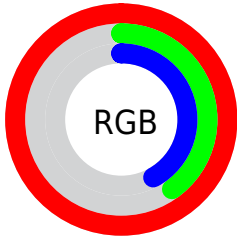
Format	Color
R _Y B	255, 102, 108
Decimal	16737900
CIE Lab	63.21, 58.65, 27.27
CIE LCh	63, 64.677, 24.937
Yxy	31.8455, 0.4953, 0.3239
Android (android.graphics.Color)	4294927980 (0xFFFF666C)
YUV	148.4310, -19.9325, 93.4610
Hunter-Lab	56.4318, 55.2794, 20.8259

Details

The Yxy color **31.8455, 0.4953, 0.3239** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **81.1782, 0.2413, 0.3359**, and the grayscale version is **29.8641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2169, 0.4066, 0.3282**, and **13.2711, 0.5522, 0.3126** is the 20% darker color. If you saturate the color by 10%, you get **27.1313, 0.5428, 0.3241**, and if you desaturate by 10%, it is **38.2504, 0.4501, 0.3243**.

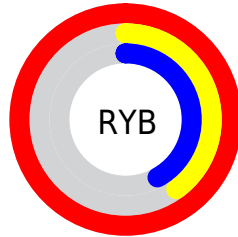
Distribution



Red (100%)

Green (40%)

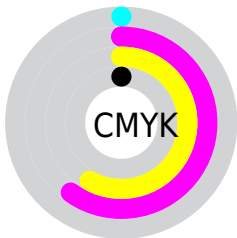
Blue (42%)



Red (100%)

Yellow (40%)

Blue (42%)

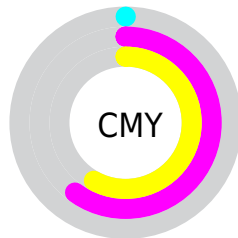


Cyan (0%)

Magenta (60%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (60%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8455, 0.4953, 0.3239 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 31.8455, 0.4953, 0.3239 by changing the saturation by 10% instead.


 31.8455, 0.4953,
0.3239


 31.8455, 0.4953,
0.3239


310.4149, 0.3983,
0.3322

 21.2435, 0.5205,
0.3197


 62.5688, 0.4591,
0.3285


 13.3021, 0.5530,
0.3129


 83.4589, 0.4457,
0.3297

 7.6369, 0.5959,
0.3015


 108.5472, 0.4345,
0.3306

 3.8635, 0.6536,
0.2814

 138.2180, 0.4251,
0.3312

 1.5975, 0.7496,
0.2504

172.8558, 0.4169,
0.3316

 0.3559, 0.8581,
0.1419

212.8450, 0.4099,

 0.0000, 1.0000,

0.3319

0.0000

258.5698, 0.4037,
0.3321

0.0000, 0.0000,
0.0000

31.8455, 0.4953,
0.3239

31.8455, 0.4953,
0.3239

27.1313, 0.5428,
0.3241

38.2504, 0.4501,
0.3243

23.9436, 0.5868,
0.3251

46.4800, 0.4107,
0.3251

22.0946, 0.6197,
0.3269

56.6607, 0.3778,
0.3260

21.2808, 0.6373,
0.3284

68.9061, 0.3511,
0.3271

21.2804, 0.6373,
0.3284

83.3215, 0.3298,
0.3281

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



31.8455, 0.4171, 0.2613



31.8455, 0.4953, 0.3239



31.8455, 0.5090, 0.3928

Triad

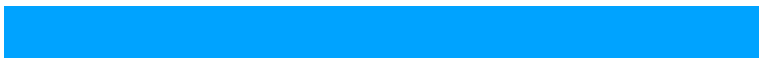
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.8455, 0.4953, 0.3239



31.8455, 0.2876, 0.5017



31.8455, 0.1681, 0.1861

Complementary

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



31.8455, 0.4953, 0.3239



81.1782, 0.2413, 0.3359

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.



31.8455, 0.1468, 0.2183



31.8455, 0.4953, 0.3239



31.8455, 0.2059, 0.4056

Square

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



31.8455, 0.4953, 0.3239



31.8455, 0.3811, 0.5147



31.8455, 0.1579, 0.2924



31.8455, 0.2226, 0.1860

Rectangle

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



31.8455, 0.4953, 0.3239



31.8455, 0.4832, 0.4402



31.8455, 0.1579, 0.2924



31.8455, 0.1575, 0.1928

Sweetspot

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



31.8473, 0.4953, 0.3239



71.6084, 0.3465, 0.3273



36.5615, 0.3122, 0.1863



14.4906, 0.3533, 0.3270



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.



31.8473, 0.4953, 0.3239



26.3766, 0.5522, 0.3243



51.2887, 0.4514, 0.3980



17.9986, 0.3288, 0.3281



11.1253, 0.6361, 0.3278



1.0871, 0.6268, 0.3226

Inverse Universe

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



31.8473, 0.4953, 0.3239



26.3766, 0.5522, 0.3243



45.2268, 0.2193, 0.2412



17.9986, 0.3288, 0.3281



11.1253, 0.6361, 0.3278



1.0871, 0.6268, 0.3226

Previews

White Background



This preview shows how the Yxy color 31.8455, 0.4953, 0.3239 looks on a white background.

Color Contrast Check

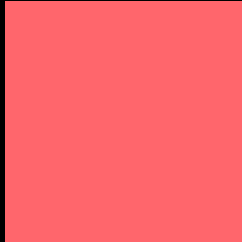
Large Text (above 18pt) WCAG AA × Fail

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 31.8455, 0.4953, 0.3239 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.8455, 0.4953, 0.3239

Background



This preview shows how black text looks on a background with the Yxy color 31.8455, 0.4953, 0.3239.



This preview shows how white text looks on a background with the Yxy color 31.8455, 0.4953, 0.3239.

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

31.8455, 0.4953, 0.3239

Protanopia

31.9982, 0.3421, 0.3626

Deuteranopia

31.9974, 0.4003, 0.3935



Tritanopia

31.8455, 0.4953, 0.3239

Trichromacy



Original Color

31.8455, 0.4953, 0.3239

Protanomaly

30.0824, 0.3959, 0.3442

Deuteranomaly

30.9337, 0.4364, 0.3629

Tritanomaly

31.8455, 0.4953, 0.3239

Monochromacy



Original Color

31.8455, 0.4953, 0.3239

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.4908, 0.3762, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8455, 0.4953, 0.3239 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, 102, 108)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 108)  
}
```

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, 102, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 108) }
```

Border

The CSS property to change the border of an element to Yxy 31.8455, 0.4953, 0.3239 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, 102, 108) }
```

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

```
.border{ border-color:rgb(255, 102, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 108);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8455, 0.4953, 0.3239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 108) }
```

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

```
.background{ background-color: rgb(255,  
102, 108) }
```

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