

Converting Colors

$Y_{xy}(39.7913, 0.5053, 0.3289)$

Have a look what the booklet for
Yxy(39.7913, 0.5053, 0.3289)
contains.

Yxy(34.0406, 0.4827, 0.3285)	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(34.0406, 0.4827, 0.3285)

Conversions

Conversions Part 1

Format	Color
Hex	FF7071
RGB	255, 112, 113
RGB Percent	100%, 44%, 44%
CMY	0.0000, 0.5608, 0.5568
CMYK	0.00, 0.56, 0.56, 0.00
HSL	360°, 100%, 72%
HSV	360°, 56%, 100%
XYZ	50.0195, 34.0406, 19.5643
YIQ	154.8710, 84.9070, 30.6270

Conversions

Conversions Part 2

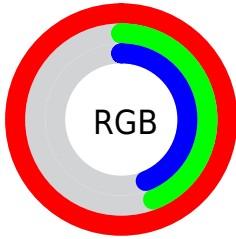
Format	Color
R_{YB}	255, 112, 113
Decimal	16740465
CIE Lab	64.99, 54.56, 26.79
CIE LCh	65, 60.786, 26.149
Yxy	34.0406, 0.4827, 0.3285
Android (android.graphics.Color)	4294930545 (0xFFFF7071)
YUV	154.8710, -20.6424, 87.8131
Hunter-Lab	58.3443, 50.9282, 20.9596

Details

The Yxy color **34.0406, 0.4827, 0.3285** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **82.1182, 0.2424, 0.3300**, and the grayscale version is **32.7824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9819, 0.3967, 0.3324**, and **14.5475, 0.5362, 0.3202** is the 20% darker color. If you saturate the color by 10%, you get **28.6947, 0.5309, 0.3286**, and if you desaturate by 10%, it is **41.1373, 0.4381, 0.3285**.

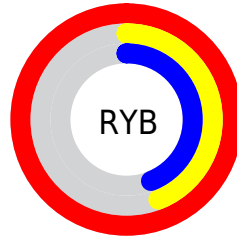
Distribution



Red (100%)

Green (44%)

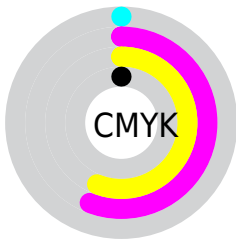
Blue (44%)



Red (100%)

Yellow (44%)

Blue (44%)

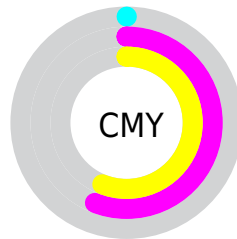


Cyan (0%)

Magenta (56%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0406, 0.4827, 0.3285 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 34.0406, 0.4827, 0.3285 by changing the saturation by 10% instead.


 34.0406, 0.4827,
0.3285


 34.0406, 0.4827,
0.3285


320.3130, 0.3931,
0.3338

 22.9248, 0.5058,
0.3253


 65.9968, 0.4494,
0.3318


 14.5380, 0.5357,
0.3201


 87.6060, 0.4371,
0.3326

 8.4958, 0.5751,
0.3111


 113.4817, 0.4267,
0.3331

 4.4138, 0.6283,
0.2948

 144.0085, 0.4180,
0.3334

 1.9076, 0.7264,
0.2736

179.5706, 0.4104,
0.3336

 0.5530, 0.8076,
0.1924

220.5524, 0.4039,

 0.0000, 1.0000,


0.3338

0.0000


267.3385, 0.3981,
0.3338

 0.0000, 0.0000,
0.0000


 34.0406, 0.4827,
0.3285


 34.0406, 0.4827,
0.3285


 28.6947, 0.5309,
0.3286


 41.1373, 0.4381,
0.3285


 24.9491, 0.5772,
0.3289


 50.1206, 0.3999,
0.3286


 22.6255, 0.6140,
0.3293

 61.1113, 0.3685,
0.3287

 21.5029, 0.6349,
0.3297

 74.2205, 0.3431,
0.3288

 21.2640, 0.6396,
0.3297

 89.5512, 0.3229,
0.3289

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.



34.0406, 0.4127, 0.2685



34.0406, 0.4827, 0.3285



34.0406, 0.4943, 0.3940

Triad

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



34.0406, 0.4827, 0.3285



34.0406, 0.2876, 0.4835



34.0406, 0.1788, 0.1949

Complementary

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



34.0406, 0.4827, 0.3285



82.1182, 0.2424, 0.3300

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.



34.0406, 0.1574, 0.2248



34.0406, 0.4827, 0.3285



34.0406, 0.2117, 0.3949

Square

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



34.0406, 0.4827, 0.3285



34.0406, 0.3751, 0.5014



34.0406, 0.1672, 0.2929



34.0406, 0.2319, 0.1955

Rectangle

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



34.0406, 0.4827, 0.3285



34.0406, 0.4704, 0.4378



34.0406, 0.1672, 0.2929



34.0406, 0.1683, 0.2011

Sweetspot

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



34.0401, 0.4827, 0.3285



72.9237, 0.3452, 0.3288



39.6180, 0.3168, 0.1955



15.0162, 0.3500, 0.3288



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.



34.0401, 0.4827, 0.3285



28.2859, 0.5354, 0.3286



55.5239, 0.4365, 0.3992



17.9892, 0.3293, 0.3289



11.1118, 0.6393, 0.3296



1.0826, 0.6376, 0.3286

Inverse Universe

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



34.0401, 0.4827, 0.3285



28.2859, 0.5354, 0.3286



45.7321, 0.2234, 0.2417



17.9892, 0.3293, 0.3289



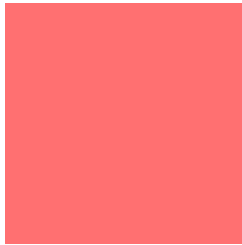
11.1118, 0.6393, 0.3296



1.0826, 0.6376, 0.3286

Previews

White Background



This preview shows how the Yxy color 34.0406, 0.4827, 0.3285 looks on a white background.

Color Contrast Check

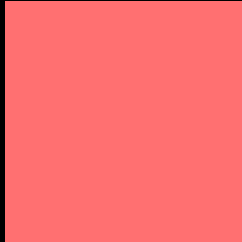
Large Text (above 18pt) WCAG AA × Fail

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 34.0406, 0.4827, 0.3285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

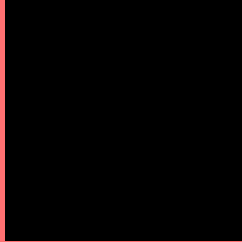
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0406, 0.4827, 0.3285

Background



This preview shows how black text looks on a background with the Yxy color 34.0406, 0.4827, 0.3285.



This preview shows how white text looks on a background with the Yxy color 34.0406, 0.4827, 0.3285.

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

34.0406, 0.4827, 0.3285

Protanopia

34.2819, 0.3431, 0.3647

Deuteranopia

33.9926, 0.3982, 0.3906



Tritanopia

33.9608, 0.4760, 0.3217

Trichromacy



Original Color

34.0406, 0.4827, 0.3285

Protanomaly

32.5619, 0.3923, 0.3492

Deuteranomaly

33.1416, 0.4298, 0.3638

Tritanomaly

33.9132, 0.4785, 0.3237

Monochromacy



Original Color

34.0406, 0.4827, 0.3285

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.4351, 0.3697, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0406, 0.4827, 0.3285 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, 112, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 113)  
}
```

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, 112, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 113) }
```

Border

The CSS property to change the border of an element to Yxy 34.0406, 0.4827, 0.3285 is called "border". The border property can be set on classes, ids or directly on the HTML element.

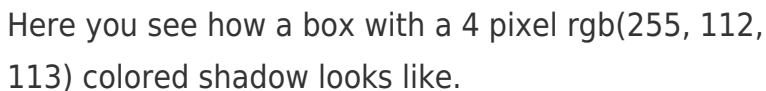
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 112, 113) }
```

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

```
.border{ border-color:rgb(255, 112, 113) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 112, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0406, 0.4827, 0.3285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 113) }
```

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

```
.background{ background-color: rgb(255,  
112, 113) }
```

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