

Converting Colors

$Y_{xy}(30.6070, 0.4887, 0.3086)$

Have a look what the booklet for
Yxy(30.6070, 0.4887, 0.3086)
contains.

Yxy(30.5498, 0.4886, 0.3080)	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(30.5498, 0.4886, 0.3080)

Conversions

Conversions Part 1

Format	Color
Hex	FF5E75
RGB	255, 94, 117
RGB Percent	100%, 37%, 46%
CMY	0.0000, 0.6315, 0.5411
CMYK	0.00, 0.63, 0.54, 0.00
HSL	351°, 100%, 68%
HSV	351°, 63%, 100%
XYZ	48.4631, 30.5498, 20.1748
YIQ	144.7610, 88.5730, 41.2850

Conversions

Conversions Part 2

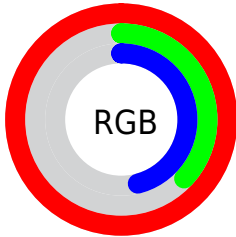
Format	Color
R _Y B	255, 94, 117
Decimal	16735861
CIE Lab	62.13, 62.70, 20.68
CIE LCh	62, 66.022, 18.254
Yxy	30.5498, 0.4886, 0.3080
Android (android.graphics.Color)	4294925941 (0xFFFF5E75)
YUV	144.7610, -13.6862, 96.6796
Hunter-Lab	55.2719, 59.7853, 17.0489

Details

The Yxy color **30.5498, 0.4886, 0.3080** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted rose. A complement of this color would be **79.7224, 0.2458, 0.3568**, and the grayscale version is **28.2361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2578, 0.3990, 0.3103**, and **12.5149, 0.5460, 0.2939** is the 20% darker color. If you saturate the color by 10%, you get **26.2809, 0.5328, 0.3083**, and if you desaturate by 10%, it is **36.4267, 0.4468, 0.3097**.

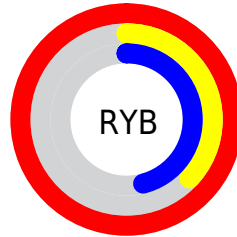
Distribution



Red (100%)

Green (37%)

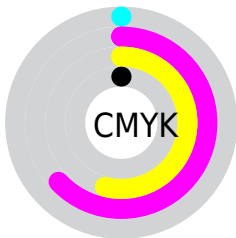
Blue (46%)



Red (100%)

Yellow (37%)

Blue (46%)

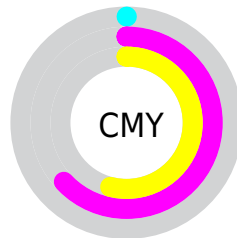


Cyan (0%)

Magenta (63%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (63%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5498, 0.4886, 0.3080 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 30.5498, 0.4886, 0.3080 by changing the saturation by 10% instead.


 30.5498, 0.4886,
0.3080


 30.5498, 0.4886,
0.3080


304.4589, 0.3944,
0.3235


 20.2563, 0.5135,
0.3023


 60.5306, 0.4532,
0.3149


 12.5815, 0.5460,
0.2940


 80.9866, 0.4402,
0.3171

 7.1410, 0.5897,
0.2809


 105.5989, 0.4294,
0.3188

 3.5504, 0.6498,
0.2593

 134.7520, 0.4202,
0.3202

 1.4254, 0.7665,
0.2309

168.8301, 0.4124,
0.3213

 0.2353, 0.9002,
0.0998

208.2177, 0.4056,

 0.0000, 1.0000,


0.3222


0.0000


253.2991, 0.3996,
0.3229


 0.0000, 0.0000,
0.0000

 30.5498, 0.4886,
0.3080


 30.5498, 0.4886,
0.3080


 26.2809, 0.5328,
0.3083

 36.4267, 0.4468,
0.3097


 23.4709, 0.5746,
0.3113

 44.0658, 0.4101,
0.3128


 21.9188, 0.6080,
0.3169

 53.5882, 0.3792,
0.3165

 21.3903, 0.6241,
0.3212

 65.1077, 0.3540,
0.3204

 78.7292, 0.3336,
0.3243

 94.5503, 0.3172,
0.3279

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.



30.5498, 0.3966, 0.2464



30.5498, 0.4886, 0.3080



30.5498, 0.5180, 0.3772

Triad

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



30.5498, 0.4886, 0.3080



30.5498, 0.3073, 0.5197



30.5498, 0.1566, 0.1862

Complementary

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



30.5498, 0.4886, 0.3080



79.7224, 0.2458, 0.3568

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.



30.5498, 0.1420, 0.2274



30.5498, 0.4886, 0.3080



30.5498, 0.2184, 0.4356

Square

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



30.5498, 0.4886, 0.3080



30.5498, 0.4026, 0.5122



30.5498, 0.1609, 0.3141



30.5498, 0.2043, 0.1797

Rectangle

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



30.5498, 0.4886, 0.3080



30.5498, 0.4994, 0.4257



30.5498, 0.1609, 0.3141



30.5498, 0.1482, 0.1956

Sweetspot

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



30.5453, 0.4886, 0.3080



70.4965, 0.3450, 0.3220



32.1840, 0.2970, 0.1739



14.2853, 0.3511, 0.3209



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.



30.5453, 0.4886, 0.3080



25.3389, 0.5452, 0.3089



43.9868, 0.4739, 0.3844



18.0294, 0.3272, 0.3256



11.1896, 0.6212, 0.3196



1.1016, 0.5949, 0.3051

Inverse Universe

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



30.5453, 0.4886, 0.3080



25.3389, 0.5452, 0.3089



50.2800, 0.2202, 0.2574



18.0294, 0.3272, 0.3256



11.1896, 0.6212, 0.3196



1.1016, 0.5949, 0.3051

Previews

White Background



This preview shows how the Yxy color 30.5498, 0.4886, 0.3080 looks on a white background.

Color Contrast Check

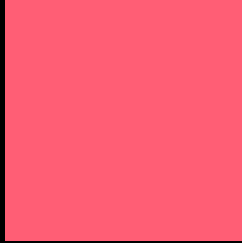
Large Text (above 18pt) WCAG AA × Fail

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 30.5498, 0.4886, 0.3080 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 30.5498, 0.4886, 0.3080

Background



This preview shows how black text looks on a background with the Yxy color 30.5498, 0.4886, 0.3080.



This preview shows how white text looks on a background with the Yxy color 30.5498, 0.4886, 0.3080.

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

30.5498, 0.4886, 0.3080

Protanopia

30.7949, 0.3236, 0.3383

Deuteranopia

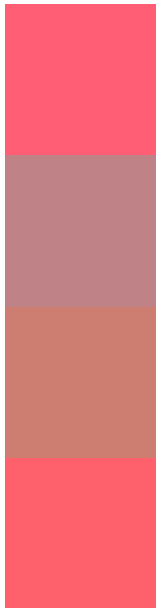
30.5156, 0.3871, 0.3799



Tritanopia

30.5995, 0.5041, 0.3241

Trichromacy



Original Color

30.5498, 0.4886, 0.3080

Protanomaly

28.7629, 0.3801, 0.3237

Deuteranomaly

29.2134, 0.4260, 0.3472

Tritanomaly

30.5193, 0.4983, 0.3184

Monochromacy



Original Color

30.5498, 0.4886, 0.3080

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

26.9853, 0.3734, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5498, 0.4886, 0.3080 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, 94, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 117)  
}
```

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, 94, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 117) }
```

Border

The CSS property to change the border of an element to Yxy 30.5498, 0.4886, 0.3080 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, 94, 117) }
```

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

```
.border{ border-color:rgb(255, 94, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 94, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5498, 0.4886, 0.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 117) }
```

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

```
.background{ background-color: rgb(255, 94,  
117) }
```

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