

Converting Colors

$Y_{xy}(31.8212, 0.4899, 0.3129)$

Have a look what the booklet for
Yxy(31.8212, 0.4899, 0.3129)
contains.

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Color

Yxy(31.2563, 0.4876, 0.3126)

Conversions

Conversions Part 1

Format	Color
Hex	FF6274
RGB	255, 98, 116
RGB Percent	100%, 38%, 45%
CMY	0.0001, 0.6156, 0.5452
CMYK	0.00, 0.62, 0.55, 0.00
HSL	353°, 100%, 69%
HSV	353°, 62%, 100%
XYZ	48.7542, 31.2563, 19.9776
YIQ	146.9950, 87.7940, 38.8820

Conversions

Conversions Part 2

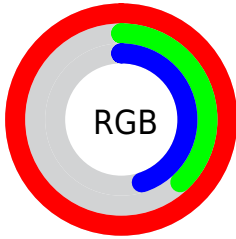
Format	Color
R _Y B	255, 98, 116
Decimal	16736884
CIE Lab	62.72, 60.92, 22.08
CIE LCh	63, 64.801, 19.925
Yxy	31.2563, 0.4876, 0.3126
Android (android.graphics.Color)	4294926964 (0xFFFF6274)
YUV	146.9950, -15.2805, 94.7204
Hunter-Lab	55.9073, 57.8239, 17.9488

Details

The Yxy color **31.2563, 0.4876, 0.3126** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **80.2244, 0.2449, 0.3503**, and the grayscale version is **29.2160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5298, 0.3986, 0.3156**, and **12.8856, 0.5442, 0.2995** is the 20% darker color. If you saturate the color by 10%, you get **26.7578, 0.5328, 0.3128**, and if you desaturate by 10%, it is **37.4052, 0.4451, 0.3141**.

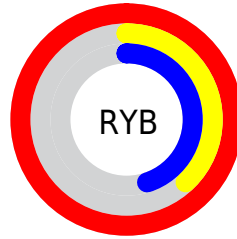
Distribution



Red (100%)

Green (38%)

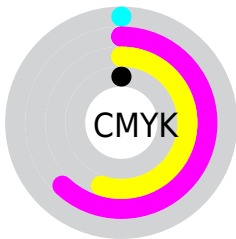
Blue (45%)



Red (100%)

Yellow (38%)

Blue (45%)

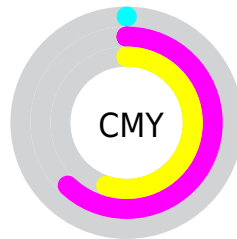


Cyan (0%)

Magenta (62%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (62%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2563, 0.4876, 0.3126 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 31.2563, 0.4876, 0.3126 by changing the saturation by 10% instead.


 31.2563, 0.4876,
0.3126


 31.2563, 0.4876,
0.3126


307.7174, 0.3942,
0.3258


 20.7941, 0.5122,
0.3075


 61.6434, 0.4526,
0.3187

 12.9736, 0.5442,
0.2998

 82.3370, 0.4397,
0.3206

 7.4104, 0.5870,
0.2876


 107.2099, 0.4290,
0.3221

 3.7200, 0.6457,
0.2671

 136.6465, 0.4199,
0.3232

 1.5182, 0.7595,
0.2405

171.0311, 0.4121,
0.3241

 0.3015, 0.8775,
0.1225

210.7482, 0.4053,

 0.0000, 1.0000,

0.3248

0.0000

256.1822, 0.3994,
0.3254

■ 0.0000, 0.0000,
0.0000

■ 31.2563, 0.4876,
0.3126

■ 31.2563, 0.4876,
0.3126

■ 26.7578, 0.5328,
0.3128

■ 37.4052, 0.4451,
0.3141

■ 23.7449, 0.5757,
0.3151

■ 45.3381, 0.4080,
0.3166

■ 22.0282, 0.6100,
0.3196

■ 55.1811, 0.3769,
0.3195

■ 21.3462, 0.6290,
0.3239

■ 67.0471, 0.3516,
0.3227

■ 81.0405, 0.3313,
0.3257

97.2583, 0.3149,
0.3286

99.9968, 0.3127,
0.3290

Harmonies

Analogous

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



31.2563, 0.4006, 0.2513



31.2563, 0.4876, 0.3126



31.2563, 0.5129, 0.3811

Triad

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



31.2563, 0.4876, 0.3126



31.2563, 0.3029, 0.5119



31.2563, 0.1614, 0.1881

Complementary

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



31.2563, 0.4876, 0.3126



80.2244, 0.2449, 0.3503

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.



31.2563, 0.1453, 0.2266



31.2563, 0.4876, 0.3126



31.2563, 0.2168, 0.4261

Square

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



31.2563, 0.4876, 0.3126



31.2563, 0.3965, 0.5105



31.2563, 0.1622, 0.3090



31.2563, 0.2103, 0.1832

Rectangle

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



31.2563, 0.4876, 0.3126



31.2563, 0.4930, 0.4287



31.2563, 0.1622, 0.3090



31.2563, 0.1525, 0.1967

Sweetspot

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



31.2580, 0.4876, 0.3126



71.7828, 0.3439, 0.3238



33.9079, 0.3024, 0.1792



14.5321, 0.3502, 0.3229



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.



31.2580, 0.4876, 0.3126



25.8940, 0.5437, 0.3132



46.6596, 0.4642, 0.3889



18.0208, 0.3276, 0.3263



11.1662, 0.6265, 0.3225



1.0976, 0.6033, 0.3097

Inverse Universe

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



31.2580, 0.4876, 0.3126



25.8940, 0.5437, 0.3132



48.7658, 0.2204, 0.2526



18.0208, 0.3276, 0.3263



11.1662, 0.6265, 0.3225



1.0976, 0.6033, 0.3097

Previews

White Background



This preview shows how the Yxy color 31.2563, 0.4876, 0.3126 looks on a white background.

Color Contrast Check

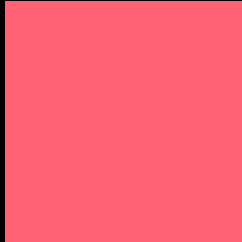
Large Text (above 18pt) WCAG AA × Fail

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 31.2563, 0.4876, 0.3126 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 31.2563, 0.4876, 0.3126

Background



This preview shows how black text looks on a background with the Yxy color 31.2563, 0.4876, 0.3126.



This preview shows how white text looks on a background with the Yxy color 31.2563, 0.4876, 0.3126.

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

31.2563, 0.4876, 0.3126

Protanopia

31.2543, 0.3275, 0.3429

Deuteranopia

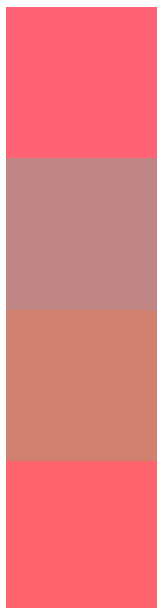
31.4857, 0.3893, 0.3819



Tritanopia

31.2258, 0.4983, 0.3240

Trichromacy



Original Color

31.2563, 0.4876, 0.3126

Protanomaly

29.5334, 0.3827, 0.3278

Deuteranomaly

30.2803, 0.4263, 0.3509

Tritanomaly

31.1203, 0.4939, 0.3192

Monochromacy



Original Color

31.2563, 0.4876, 0.3126

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

27.9172, 0.3722, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2563, 0.4876, 0.3126 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, 98, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 116)  
}
```

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, 98, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 116) }
```

Border

The CSS property to change the border of an element to Yxy 31.2563, 0.4876, 0.3126 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, 98, 116) }
```

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

```
.border{ border-color:rgb(255, 98, 116) }
```

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

Here you see how a box with a 4 pixel rgb(255, 98, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 116);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2563, 0.4876, 0.3126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 116) }
```

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

```
.background{ background-color: rgb(255, 98,  
116) }
```

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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