

Converting Colors

$Y_{xy}(31.8172, 0.4835, 0.3214)$

Have a look what the booklet for
Yxy(31.8172, 0.4835, 0.3214)
contains.

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Color

Yxy(31.8046, 0.4837, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	FB6971
RGB	251, 105, 113
RGB Percent	98%, 41%, 44%
CMY	0.0156, 0.5883, 0.5569
CMYK	0.00, 0.58, 0.55, 0.02
HSL	357°, 95%, 70%
HSV	357°, 58%, 98%
XYZ	47.8206, 31.8046, 19.2390
YIQ	149.5660, 84.4480, 33.4400

Conversions

Conversions Part 2

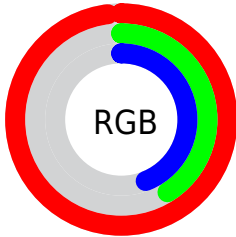
Format	Color
R _Y B	251, 105, 113
Decimal	16476529
CIE Lab	63.18, 56.38, 24.29
CIE LCh	63, 61.388, 23.309
Yxy	31.8046, 0.4837, 0.3217
Android (android.graphics.Color)	4294666609 (0xFFFB6971)
YUV	149.5660, -18.0270, 88.9576
Hunter-Lab	56.3956, 52.6667, 19.2505

Details

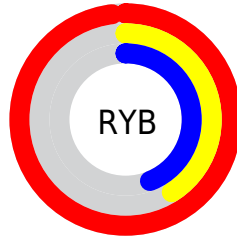
The Yxy color **31.8046, 0.4837, 0.3217** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **78.4809, 0.2436, 0.3383**, and the grayscale version is **30.3562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4664, 0.3994, 0.3250**, and **13.3144, 0.5390, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **26.9597, 0.5306, 0.3217**, and if you desaturate by 10%, it is **38.3011, 0.4401, 0.3225**.

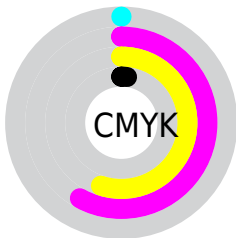
Distribution



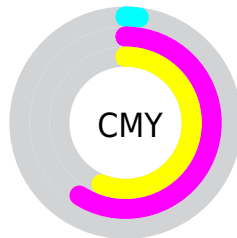
- Red (98%)
- Green (41%)
- Blue (44%)



- Red (98%)
- Yellow (41%)
- Blue (44%)



- Cyan (0%)
- Magenta (58%)
- Yellow (55%)
- Black (2%)




- Cyan (2%)
- Magenta (59%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8046, 0.4837, 0.3217 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 31.8046, 0.4837, 0.3217 by changing the saturation by 10% instead.

 31.8046, 0.4837,
0.3217


 31.8046, 0.4837,
0.3217


310.2282, 0.3926,
0.3303

 21.2123, 0.5076,
0.3177


 62.5046, 0.4496,
0.3262

 13.2793, 0.5387,
0.3113


 83.3812, 0.4370,
0.3274

 7.6211, 0.5801,
0.3008


 108.4545, 0.4265,
0.3283

 3.8535, 0.6369,
0.2824

 138.1092, 0.4176,
0.3290

 1.5919, 0.7427,
0.2573

172.7295, 0.4100,
0.3295

 0.3522, 0.8531,
0.1469

212.6998, 0.4034,

 0.0000, 1.0000,


0.3299


0.0000


258.4046, 0.3977,
0.3301


 0.0000, 0.0000,
0.0000

 31.8046, 0.4837,
0.3217


 31.8046, 0.4837,
0.3217

 26.9597, 0.5306,
0.3217


 38.3011, 0.4401,
0.3225


 23.6129, 0.5757,
0.3228

 46.5743, 0.4026,
0.3237


 21.5913, 0.6119,
0.3249

 56.7435, 0.3715,
0.3251

 20.6562, 0.6335,
0.3275

 68.9159, 0.3463,
0.3265

 20.5437, 0.6360,
0.3277

 83.1908, 0.3261,
0.3279

99.2527, 0.3103,
0.3290

Harmonies

Analogous

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



31.8046, 0.4068, 0.2614



31.8046, 0.4837, 0.3217



31.8046, 0.5012, 0.3882

Triad

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



31.8046, 0.4837, 0.3217



31.8046, 0.2947, 0.4947



31.8046, 0.1719, 0.1927

Complementary

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



31.8046, 0.4837, 0.3217



78.4809, 0.2436, 0.3383

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.



31.8046, 0.1530, 0.2263



31.8046, 0.4837, 0.3217



31.8046, 0.2147, 0.4076

Square

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



31.8046, 0.4837, 0.3217



31.8046, 0.3843, 0.5046



31.8046, 0.1659, 0.3001



31.8046, 0.2229, 0.1908

Rectangle

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



31.8046, 0.4837, 0.3217



31.8046, 0.4793, 0.4336



31.8046, 0.1659, 0.3001



31.8046, 0.1621, 0.2000

Sweetspot

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



31.8063, 0.4837, 0.3217



73.0285, 0.3437, 0.3267



35.8185, 0.3101, 0.1888



15.0405, 0.3482, 0.3264



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.



31.8063, 0.4837, 0.3217



27.1745, 0.5395, 0.3218



49.6376, 0.4476, 0.3939



17.2406, 0.3285, 0.3277



10.8031, 0.6345, 0.3269



1.0058, 0.6210, 0.3195

Inverse Universe

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



31.8063, 0.4837, 0.3217



27.1745, 0.5395, 0.3218



45.8246, 0.2226, 0.2478



17.2406, 0.3285, 0.3277



10.8031, 0.6345, 0.3269



1.0058, 0.6210, 0.3195

Previews

White Background



This preview shows how the Yxy color 31.8046, 0.4837, 0.3217 looks on a white background.

Color Contrast Check

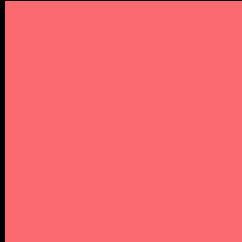
Large Text (above 18pt) WCAG AA × Fail

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 31.8046, 0.4837, 0.3217 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 31.8046, 0.4837, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 31.8046, 0.4837, 0.3217.



This preview shows how white text looks on a background with the Yxy color 31.8046, 0.4837, 0.3217.

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

31.8046, 0.4837, 0.3217

Protanopia

32.0053, 0.3371, 0.3565

Deuteranopia

31.9753, 0.3941, 0.3870



Tritanopia

31.7822, 0.4849, 0.3227

Trichromacy



Original Color

31.8046, 0.4837, 0.3217

Protanomaly

30.4781, 0.3880, 0.3415

Deuteranomaly

31.0166, 0.4278, 0.3584

Tritanomaly

31.7822, 0.4849, 0.3227

Monochromacy



Original Color

31.8046, 0.4837, 0.3217

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.4211, 0.3704, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8046, 0.4837, 0.3217 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(251, 105, 113)` looks like.

```
.text, #text, p{  
    color:rgb(251, 105, 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(251, 105, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 105, 113) }
```

Border

The CSS property to change the border of an element to Yxy 31.8046, 0.4837, 0.3217 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(251, 105, 113) }
```

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

```
.border{ border-color:rgb(251, 105, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 105, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 105, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 105, 113);  
box-shadow:4px 4px 4px 4px rgb(251, 105,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8046, 0.4837, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 105, 113) }
```

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

```
.background{ background-color: rgb(251,  
105, 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](#).

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