

Converting Colors

$Y_{xy}(32.2412, 0.4817, 0.3147)$

Have a look what the booklet for
Yxy(32.2412, 0.4817, 0.3147)
contains.

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Color

Yxy(32.2685, 0.4821, 0.3151)

Conversions

Conversions Part 1

Format	Color
Hex	FF6776
RGB	255, 103, 118
RGB Percent	100%, 40%, 46%
CMY	0.0000, 0.5962, 0.5372
CMYK	0.00, 0.60, 0.54, 0.00
HSL	354°, 100%, 70%
HSV	354°, 60%, 100%
XYZ	49.3705, 32.2685, 20.7682
YIQ	150.1580, 85.7770, 36.8890

Conversions

Conversions Part 2

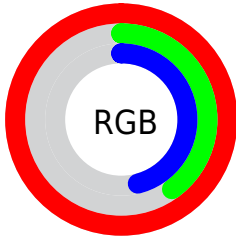
Format	Color
R _Y B	255, 103, 118
Decimal	16738166
CIE Lab	63.56, 58.98, 22.05
CIE LCh	64, 62.965, 20.502
Yxy	32.2685, 0.4821, 0.3151
Android (android.graphics.Color)	4294928246 (0xFFFF6776)
YUV	150.1580, -15.8539, 91.9464
Hunter-Lab	56.8054, 55.7279, 18.0872

Details

The Yxy color **32.2685, 0.4821, 0.3151** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **80.6912, 0.2452, 0.3467**, and the grayscale version is **30.6039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9586, 0.3951, 0.3177**, and **13.5810, 0.5365, 0.3036** is the 20% darker color. If you saturate the color by 10%, you get **27.4611, 0.5277, 0.3150**, and if you desaturate by 10%, it is **38.7449, 0.4397, 0.3165**.

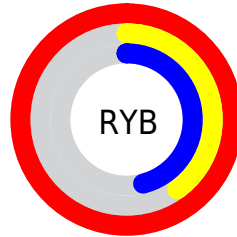
Distribution



Red (100%)

Green (40%)

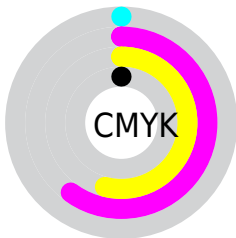
Blue (46%)



Red (100%)

Yellow (40%)

Blue (46%)

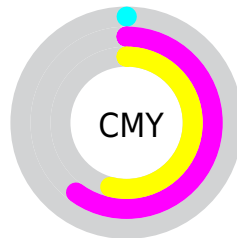


Cyan (0%)

Magenta (60%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2685, 0.4821, 0.3151 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 32.2685, 0.4821, 0.3151 by changing the saturation by 10% instead.


 32.2685, 0.4821,
0.3151


 32.2685, 0.4821,
0.3151

312.3405, 0.3920,
0.3268


 21.5667, 0.5057,
0.3105


 63.2318, 0.4484,
0.3206


 13.5388, 0.5365,
0.3035


 84.2620, 0.4360,
0.3223

 7.8006, 0.5775,
0.2924


 109.5038, 0.4256,
0.3235

 3.9676, 0.6340,
0.2736

 139.3416, 0.4168,
0.3245

 1.6555, 0.7380,
0.2480

174.1598, 0.4093,
0.3253

 0.3946, 0.8501,
0.1499

214.3428, 0.4028,


 0.0000, 1.0000,


0.3259


0.0000


260.2749, 0.3970,
0.3264


 0.0000, 0.0000,
0.0000


 32.2685, 0.4821,
0.3151


 32.2685, 0.4821,
0.3151


 27.4611, 0.5277,
0.3150


 38.7449, 0.4397,
0.3165


 24.1822, 0.5717,
0.3168


 47.0416, 0.4031,
0.3188


 22.2423, 0.6077,
0.3205

 57.2759, 0.3727,
0.3214

 21.3561, 0.6306,
0.3250

 69.5593, 0.3479,
0.3240

 21.3311, 0.6312,
0.3251

 83.9952, 0.3281,
0.3267

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.



32.2685, 0.3993, 0.2550



32.2685, 0.4821, 0.3151



32.2685, 0.5058, 0.3821

Triad

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



32.2685, 0.4821, 0.3151



32.2685, 0.3024, 0.5031



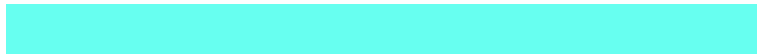
32.2685, 0.1665, 0.1921

Complementary

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



32.2685, 0.4821, 0.3151



80.6912, 0.2452, 0.3467

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.



32.2685, 0.1502, 0.2294



32.2685, 0.4821, 0.3151



32.2685, 0.2192, 0.4199

Square

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



32.2685, 0.4821, 0.3151



32.2685, 0.3932, 0.5050



32.2685, 0.1664, 0.3084



32.2685, 0.2150, 0.1876

Rectangle

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



32.2685, 0.4821, 0.3151



32.2685, 0.4866, 0.4283



32.2685, 0.1664, 0.3084



32.2685, 0.1576, 0.2005

Sweetspot

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



32.2635, 0.4821, 0.3151



71.7466, 0.3444, 0.3245



35.4051, 0.3052, 0.1839



14.5235, 0.3508, 0.3237



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.



32.2635, 0.4821, 0.3151



26.5482, 0.5385, 0.3153



48.7125, 0.4559, 0.3901



18.0162, 0.3279, 0.3267



11.1555, 0.6290, 0.3239



1.0954, 0.6079, 0.3123

Inverse Universe

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



32.2635, 0.4821, 0.3151



26.5482, 0.5385, 0.3153



48.7700, 0.2221, 0.2520



18.0162, 0.3279, 0.3267



11.1555, 0.6290, 0.3239



1.0954, 0.6079, 0.3123

Previews

White Background



This preview shows how the Yxy color 32.2685, 0.4821, 0.3151 looks on a white background.

Color Contrast Check

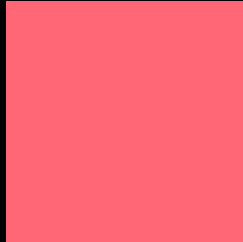
Large Text (above 18pt) WCAG AA × Fail

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 32.2685, 0.4821, 0.3151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

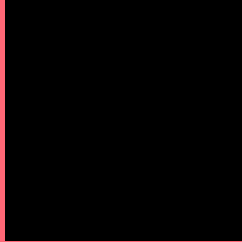
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2685, 0.4821, 0.3151

Background



This preview shows how black text looks on a background with the Yxy color 32.2685, 0.4821, 0.3151.



This preview shows how white text looks on a background with the Yxy color 32.2685, 0.4821, 0.3151.

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

32.2685, 0.4821, 0.3151

Protanopia

32.5378, 0.3301, 0.3472

Deuteranopia

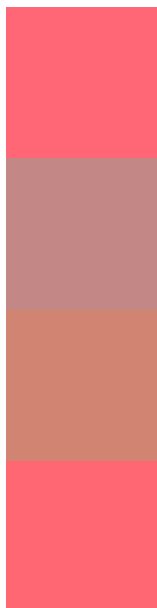
32.3948, 0.3884, 0.3814



Tritanopia

32.3083, 0.4903, 0.3229

Trichromacy



Original Color

32.2685, 0.4821, 0.3151

Protanomaly

30.6235, 0.3837, 0.3319

Deuteranomaly

31.2727, 0.4231, 0.3520

Tritanomaly

32.3755, 0.4865, 0.3200

Monochromacy



Original Color

32.2685, 0.4821, 0.3151

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.3014, 0.3707, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2685, 0.4821, 0.3151 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, 103, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 118)  
}
```

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, 103, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 118) }
```

Border

The CSS property to change the border of an element to Yxy 32.2685, 0.4821, 0.3151 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, 103, 118) }
```

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

```
.border{ border-color:rgb(255, 103, 118) }
```

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

Here you see how a box with a 4 pixel rgb(255, 103, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2685, 0.4821, 0.3151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 118) }
```

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

```
.background{ background-color: rgb(255,  
103, 118) }
```

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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