

Converting Colors

$Y_{xy}(30.7665, 0.4403, 0.2807)$

Have a look what the booklet for
Yxy(30.7665, 0.4403, 0.2807)
contains.

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Color

Yxy(30.7671, 0.4403, 0.2807)

Conversions

Conversions Part 1

Format	Color
Hex	F86292
RGB	248, 98, 146
RGB Percent	97%, 38%, 57%
CMY	0.0275, 0.6156, 0.4275
CMYK	0.00, 0.60, 0.41, 0.03
HSL	341°, 91%, 68%
HSV	341°, 60%, 97%
XYZ	48.2606, 30.7671, 30.5808
YIQ	148.3220, 73.9920, 46.7280

Conversions

Conversions Part 2

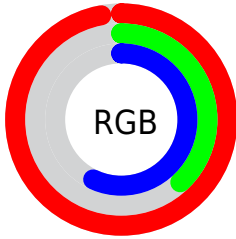
Format	Color
R _{YB}	248, 98, 146
Decimal	16278162
CIE _{Lab}	62.31, 61.35, 4.04
CIE _{LCh}	62, 61.479, 3.770
Yxy	30.7671, 0.4403, 0.2807
Android (android.graphics.Color)	4294468242 (0xFF86292)
YUV	148.3220, -1.1447, 87.4176
Hunter-Lab	55.4681, 58.2367, 6.1398

Details

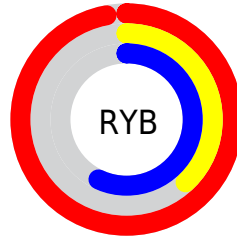
The Yxy color **30.7671, 0.4403, 0.2807** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **73.8920, 0.2591, 0.3904**, and the grayscale version is **29.7414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8728, 0.3664, 0.2825**, and **12.6711, 0.4821, 0.2629** is the 20% darker color. If you saturate the color by 10%, you get **26.3365, 0.4748, 0.2774**, and if you desaturate by 10%, it is **36.7154, 0.4091, 0.2869**.

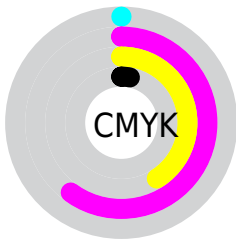
Distribution



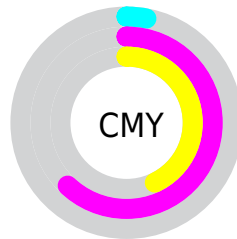
- Red (97%)
- Green (38%)
- Blue (57%)



- Red (97%)
- Yellow (38%)
- Blue (57%)



- Cyan (0%)
- Magenta (60%)
- Yellow (41%)
- Black (3%)





- Cyan (3%)
- Magenta (62%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7671, 0.4403, 0.2807 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 30.7671, 0.4403, 0.2807 by changing the saturation by 10% instead.


 30.7671, 0.4403,
0.2807


 30.7671, 0.4403,
0.2807


305.4639, 0.3723,
0.3071


 20.4216, 0.4585,
0.2734


 60.8732, 0.4147,
0.2908


 12.7019, 0.4825,
0.2637


 81.4026, 0.4053,
0.2944

 7.2236, 0.5155,
0.2500

 106.0953, 0.3975,
0.2975

 3.6023, 0.5633,
0.2297

 135.3359, 0.3909,
0.3000

 1.4537, 0.6367,
0.1974

169.5086, 0.3853,
0.3022

 0.2558, 0.8914,
0.1086

208.9979, 0.3804,

 0.0000, 1.0000,

0.3040

0.0000

254.1882, 0.3761,
0.3056

■ 0.0000, 0.0000,
0.0000

■ 30.7671, 0.4403,
0.2807

■ 30.7671, 0.4403,
0.2807

■ 26.3365, 0.4748,
0.2774

■ 36.7154, 0.4091,
0.2869

■ 23.2777, 0.5107,
0.2783

■ 44.2997, 0.3822,
0.2947


■ 21.4242, 0.5451,
0.2841


■ 53.6323, 0.3596,
0.3034

■ 20.5215, 0.5737,
0.2934

■ 64.8141, 0.3409,
0.3122

■ 77.9381, 0.3257,
0.3206

 93.0911, 0.3132,
0.3286

 98.6926, 0.3084,
0.3290

Harmonies

Analogous

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



30.7671, 0.3414, 0.2281



30.7671, 0.4403, 0.2807



30.7671, 0.4995, 0.3443

Triad

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



30.7671, 0.4403, 0.2807



30.7671, 0.3536, 0.5125



30.7671, 0.1545, 0.2092

Complementary

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



30.7671, 0.4403, 0.2807



73.8920, 0.2591, 0.3904

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.



30.7671, 0.1560, 0.2686



30.7671, 0.4403, 0.2807



30.7671, 0.2636, 0.4736

Square

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



30.7671, 0.4403, 0.2807



30.7671, 0.4379, 0.4776



30.7671, 0.1921, 0.3690



30.7671, 0.1847, 0.1875

Rectangle

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



30.7671, 0.4403, 0.2807



30.7671, 0.5031, 0.3895



30.7671, 0.1921, 0.3690



30.7671, 0.1515, 0.2243

Sweetspot

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



30.7687, 0.4403, 0.2807



72.2798, 0.3369, 0.3143



27.5227, 0.2722, 0.1680



14.6514, 0.3417, 0.3117



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.



30.7687, 0.4403, 0.2807



27.0662, 0.4843, 0.2772



35.0068, 0.4858, 0.3543



17.3167, 0.3243, 0.3214



11.1103, 0.5695, 0.2911



1.0474, 0.5360, 0.2726

Inverse Universe

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



30.7687, 0.4403, 0.2807



27.0662, 0.4843, 0.2772



62.1434, 0.2317, 0.2977



17.3167, 0.3243, 0.3214



11.1103, 0.5695, 0.2911



1.0474, 0.5360, 0.2726

Previews

White Background



This preview shows how the Yxy color 30.7671, 0.4403, 0.2807 looks on a white background.

Color Contrast Check

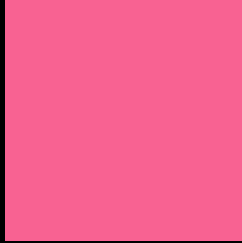
Large Text (above 18pt) WCAG AA × Fail

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 30.7671, 0.4403, 0.2807 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 30.7671, 0.4403, 0.2807

Background



This preview shows how black text looks on a background with the Yxy color 30.7671, 0.4403, 0.2807.



This preview shows how white text looks on a background with the Yxy color 30.7671, 0.4403, 0.2807.

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

30.7671, 0.4403, 0.2807

Protanopia

31.0583, 0.2857, 0.2900

Deuteranopia

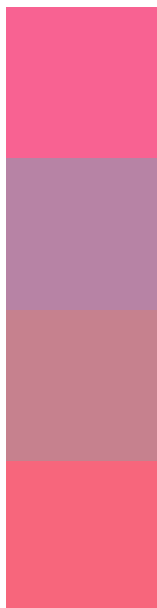
30.9679, 0.3455, 0.3395



Tritanopia

30.8658, 0.4804, 0.3225

Trichromacy



Original Color

30.7671, 0.4403, 0.2807

Protanomaly

29.0165, 0.3349, 0.2822

Deuteranomaly

29.6593, 0.3788, 0.3119

Tritanomaly

30.7321, 0.4674, 0.3073

Monochromacy



Original Color

30.7671, 0.4403, 0.2807

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.2622, 0.3566, 0.3052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7671, 0.4403, 0.2807 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(248, 98, 146)` looks like.

```
.text, #text, p{  
    color:rgb(248, 98, 146)  
}
```

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(248, 98, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 98, 146) }
```

Border

The CSS property to change the border of an element to Yxy 30.7671, 0.4403, 0.2807 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(248, 98, 146) }
```

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

```
.border{ border-color:rgb(248, 98, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 98, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(248, 98, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(248, 98, 146); box-shadow:4px 4px 4px 4px rgb(248, 98, 146) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7671, 0.4403, 0.2807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 98, 146) }
```

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

```
.background{ background-color: rgb(248, 98,  
146) }
```

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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