

Converting Colors

$Y_{xy}(31.5159, 0.3877, 0.2420)$

Have a look what the booklet for
Yxy(31.5159, 0.3877, 0.2420)
contains.

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Color

Yxy(31.5667, 0.3879, 0.2421)

Conversions

Conversions Part 1

Format	Color
Hex	F562B7
RGB	245, 98, 183
RGB Percent	96%, 38%, 72%
CMY	0.0392, 0.6157, 0.2822
CMYK	0.00, 0.60, 0.25, 0.04
HSL	325°, 88%, 67%
HSV	325°, 60%, 96%
XYZ	50.5771, 31.5667, 48.2432
YIQ	151.6430, 60.3270, 57.5990

Conversions

Conversions Part 2

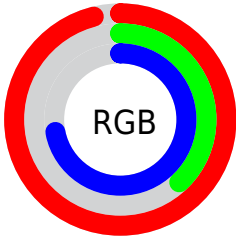
Format	Color
R _Y B	245, 98, 183
Decimal	16081591
CIE Lab	62.98, 64.73, -16.29
CIE LCh	63, 66.749, 345.871
Yxy	31.5667, 0.3879, 0.2421
Android (android.graphics.Color)	4294271671 (0xFFFF562B7)
YUV	151.6430, 15.4590, 81.8741
Hunter-Lab	56.1843, 62.3635, -11.5810

Details

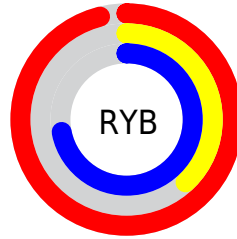
The Yxy color **31.5667, 0.3879, 0.2421** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **70.4465, 0.2769, 0.4431**, and the grayscale version is **31.1500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9347, 0.3305, 0.2456**, and **13.1281, 0.4098, 0.2184** is the 20% darker color. If you saturate the color by 10%, you get **27.2499, 0.4068, 0.2330**, and if you desaturate by 10%, it is **37.3209, 0.3705, 0.2545**.

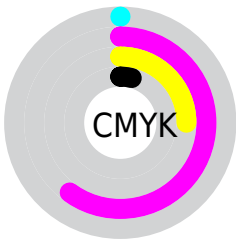
Distribution



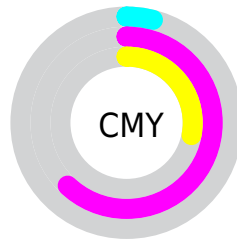
- Red (96%)
- Green (38%)
- Blue (72%)



- Red (96%)
- Yellow (38%)
- Blue (72%)



- Cyan (0%)
- Magenta (60%)
- Yellow (25%)
- Black (4%)




- Cyan (4%)
- Magenta (62%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5667, 0.3879, 0.2421 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 31.5667, 0.3879, 0.2421 by changing the saturation by 10% instead.


 31.5667, 0.3879,
0.2421


 31.5667, 0.3879,
0.2421


309.1407, 0.3497,
0.2850


 21.0308, 0.3976,
0.2317


 62.1312, 0.3739,
0.2575

 13.1465, 0.4100,
0.2185

 82.9285, 0.3687,
0.2633

 7.5295, 0.4267,
0.2013


 107.9151, 0.3643,
0.2683

 3.7954, 0.4500,
0.1781

 137.4754, 0.3605,
0.2726

 1.5598, 0.4845,
0.1457

171.9936, 0.3573,
0.2763

 0.3303, 0.5531,
0.0763

211.8543, 0.3544,

 0.0000, 0.7416,

0.2795

0.0000

257.4419, 0.3519,
0.2824

0.0000, 0.0000,
0.0000

31.5667, 0.3879,
0.2421

31.5667, 0.3879,
0.2421

27.2499, 0.4068,
0.2330

37.3209, 0.3705,
0.2545

24.2323, 0.4267,
0.2282

44.6243, 0.3551,
0.2688


22.3568, 0.4467,
0.2287


53.5831, 0.3417,
0.2841

21.3596, 0.4660,
0.2341

64.2927, 0.3303,
0.2995

76.8412, 0.3207,
0.3146

 91.3107, 0.3127,
0.3290

 98.1550, 0.3066,
0.3290

Harmonies

Analogous

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



31.5667, 0.2800, 0.1985



31.5667, 0.3879, 0.2421



31.5667, 0.4832, 0.3028

Triad

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



31.5667, 0.3879, 0.2421



31.5667, 0.4097, 0.5085



31.5667, 0.1423, 0.2325

Complementary

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



31.5667, 0.3879, 0.2421



70.4465, 0.2769, 0.4431

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.



31.5667, 0.1640, 0.3230



31.5667, 0.3879, 0.2421



31.5667, 0.3150, 0.5224

Square

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



31.5667, 0.3879, 0.2421



31.5667, 0.4859, 0.4443



31.5667, 0.2246, 0.4449



31.5667, 0.1543, 0.1881

Rectangle

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



31.5667, 0.3879, 0.2421



31.5667, 0.5148, 0.3480



31.5667, 0.2246, 0.4449



31.5667, 0.1455, 0.2572

Sweetspot

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



31.5683, 0.3879, 0.2421



72.9458, 0.3283, 0.3026



22.7230, 0.2397, 0.1547



14.8131, 0.3313, 0.2981



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.



31.5683, 0.3879, 0.2421



29.0157, 0.4111, 0.2315



29.2792, 0.4863, 0.3174



16.6433, 0.3203, 0.3154



11.5336, 0.4630, 0.2324



1.0342, 0.4403, 0.2199

Inverse Universe

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



31.5683, 0.3879, 0.2421



29.0157, 0.4111, 0.2315



73.7790, 0.2441, 0.3439



16.6433, 0.3203, 0.3154



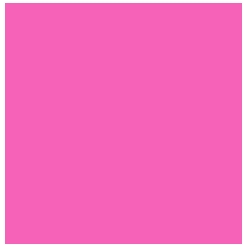
11.5336, 0.4630, 0.2324



1.0342, 0.4403, 0.2199

Previews

White Background



This preview shows how the Yxy color 31.5667, 0.3879, 0.2421 looks on a white background.

Color Contrast Check

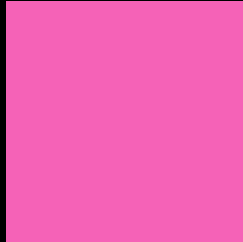
Large Text (above 18pt) WCAG AA × Fail

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 31.5667, 0.3879, 0.2421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

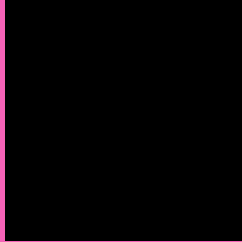
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5667, 0.3879, 0.2421

Background



This preview shows how black text looks on a background with the Yxy color 31.5667, 0.3879, 0.2421.



This preview shows how white text looks on a background with the Yxy color 31.5667, 0.3879, 0.2421.

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

31.5667, 0.3879, 0.2421

Protanopia

31.7790, 0.2408, 0.2307

Deuteranopia

31.7581, 0.2968, 0.2910



Tritanopia

31.5170, 0.4586, 0.3219

Trichromacy



Original Color

31.5667, 0.3879, 0.2421



Protanomaly

29.5082, 0.2827, 0.2293



Deuteranomaly

29.9984, 0.3276, 0.2656



Tritanomaly

31.4091, 0.4331, 0.2919

Monochromacy



Original Color

31.5667, 0.3879, 0.2421



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

29.5860, 0.3402, 0.2867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5667, 0.3879, 0.2421 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(245, 98, 183)` looks like.

```
.text, #text, p{  
    color:rgb(245, 98, 183)  
}
```

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(245, 98, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 98, 183) }
```

Border

The CSS property to change the border of an element to Yxy 31.5667, 0.3879, 0.2421 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(245, 98, 183) }
```

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

```
.border{ border-color:rgb(245, 98, 183) }
```

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

Here you see how a box with a 4 pixel rgb(245, 98, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 98, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 98, 183);  
box-shadow:4px 4px 4px 4px rgb(245, 98,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5667, 0.3879, 0.2421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 98, 183) }
```

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

```
.background{ background-color: rgb(245, 98,  
183) }
```

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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