

Converting Colors

Yxy(31.3909, 0.3919, 0.2453)

Have a look what the booklet for
Yxy(31.3909, 0.3919, 0.2453)
contains.

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Color

Yxy(31.4431, 0.3917, 0.2451)

Conversions

Conversions Part 1

Format	Color
Hex	F562B4
RGB	245, 98, 180
RGB Percent	96%, 38%, 71%
CMY	0.0394, 0.6155, 0.2942
CMYK	0.00, 0.60, 0.27, 0.04
HSL	327°, 88%, 67%
HSV	327°, 60%, 96%
XYZ	50.2499, 31.4431, 46.5938
YIQ	151.3010, 61.2900, 56.6660

Conversions

Conversions Part 2

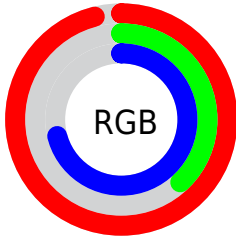
Format	Color
R _Y B	245, 98, 180
Decimal	16081588
CIE Lab	62.88, 64.30, -14.71
CIE LCh	63, 65.961, 347.111
Yxy	31.4431, 0.3917, 0.2451
Android (android.graphics.Color)	4294271668 (0xFFFF562B4)
YUV	151.3010, 14.1486, 82.1740
Hunter-Lab	56.0741, 61.8302, -10.0140

Details

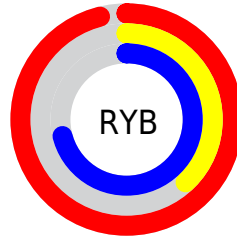
The Yxy color **31.4431, 0.3917, 0.2451** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **70.5238, 0.2755, 0.4387**, and the grayscale version is **31.0084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7588, 0.3331, 0.2483**, and **13.0487, 0.4157, 0.2219** is the 20% darker color. If you saturate the color by 10%, you get **27.1137, 0.4118, 0.2364**, and if you desaturate by 10%, it is **37.2125, 0.3733, 0.2570**.

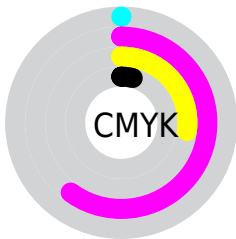
Distribution



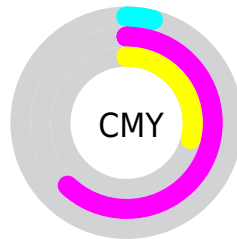
- Red (96%)
- Green (38%)
- Blue (71%)



- Red (96%)
- Yellow (38%)
- Blue (71%)



- Cyan (0%)
- Magenta (60%)
- Yellow (27%)
- Black (4%)




- Cyan (4%)
- Magenta (62%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4431, 0.3917, 0.2451 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 31.4431, 0.3917, 0.2451 by changing the saturation by 10% instead.

 31.4431, 0.3917,
0.2451


 31.4431, 0.3917,
0.2451


308.5745, 0.3513,
0.2867

 20.9365, 0.4020,
0.2349


 61.9370, 0.3768,
0.2601


 13.0776, 0.4153,
0.2219


 82.6931, 0.3713,
0.2658

 7.4820, 0.4332,
0.2050


 107.6345, 0.3667,
0.2706

 3.7653, 0.4584,
0.1821

 137.1456, 0.3627,
0.2747

 1.5432, 0.4961,
0.1496

171.6107, 0.3593,
0.2783

 0.3188, 0.5724,
0.0776

211.4143, 0.3563,

 0.0000, 0.8280,

0.2815


0.0000


256.9408, 0.3536,
0.2843


 0.0000, 0.0000,
0.0000


 31.4431, 0.3917,
0.2451


 31.4431, 0.3917,
0.2451


 27.1137, 0.4118,
0.2364


 37.2125, 0.3733,
0.2570


 24.0862, 0.4330,
0.2320


 44.5337, 0.3571,
0.2709


 22.2036, 0.4542,
0.2330


 53.5129, 0.3430,
0.2857

 21.2026, 0.4748,
0.2389

 64.2455, 0.3311,
0.3006

 21.2002, 0.4748,
0.2389

 76.8196, 0.3210,
0.3152

 91.3175, 0.3127,
0.3290

 98.1449, 0.3065,
0.3290

Harmonies

Analogous

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



31.4431, 0.2845, 0.2009



31.4431, 0.3917, 0.2451



31.4431, 0.4843, 0.3059

Triad

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



31.4431, 0.3917, 0.2451



31.4431, 0.4055, 0.5089



31.4431, 0.1435, 0.2308

Complementary

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



31.4431, 0.3917, 0.2451



70.5238, 0.2755, 0.4387

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.



31.4431, 0.1637, 0.3186



31.4431, 0.3917, 0.2451



31.4431, 0.3113, 0.5188

Square

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



31.4431, 0.3917, 0.2451



31.4431, 0.4821, 0.4467



31.4431, 0.2224, 0.4388



31.4431, 0.1567, 0.1883

Rectangle

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



31.4431, 0.3917, 0.2451



31.4431, 0.5137, 0.3510



31.4431, 0.2224, 0.4388



31.4431, 0.1462, 0.2547

Sweetspot

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



31.4447, 0.3917, 0.2451



72.8909, 0.3290, 0.3035



22.9862, 0.2418, 0.1558



14.7997, 0.3322, 0.2992



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.



31.4447, 0.3917, 0.2451



28.8658, 0.4164, 0.2350



29.2293, 0.4893, 0.3199



16.6373, 0.3206, 0.3159



11.4538, 0.4716, 0.2372



1.0273, 0.4475, 0.2239

Inverse Universe

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



31.4447, 0.3917, 0.2451



28.8658, 0.4164, 0.2350



73.8863, 0.2431, 0.3408



16.6373, 0.3206, 0.3159



11.4538, 0.4716, 0.2372



1.0273, 0.4475, 0.2239

Previews

White Background



This preview shows how the Yxy color 31.4431, 0.3917, 0.2451 looks on a white background.

Color Contrast Check

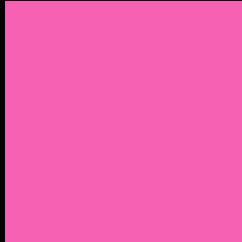
Large Text (above 18pt) WCAG AA × Fail

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 31.4431, 0.3917, 0.2451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

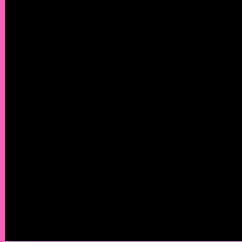
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4431, 0.3917, 0.2451

Background



This preview shows how black text looks on a background with the Yxy color 31.4431, 0.3917, 0.2451.



This preview shows how white text looks on a background with the Yxy color 31.4431, 0.3917, 0.2451.

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

31.4431, 0.3917, 0.2451

Protanopia

31.7280, 0.2446, 0.2355

Deuteranopia

31.7426, 0.3004, 0.2953



Tritanopia

31.4697, 0.4601, 0.3209

Trichromacy



Original Color

31.4431, 0.3917, 0.2451



Protanomaly

29.4765, 0.2863, 0.2328



Deuteranomaly

30.0076, 0.3318, 0.2695



Tritanomaly

31.3456, 0.4358, 0.2922

Monochromacy



Original Color

31.4431, 0.3917, 0.2451



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.4255, 0.3402, 0.2878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4431, 0.3917, 0.2451 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(245, 98, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 98, 180) }
```

Border

The CSS property to change the border of an element to Yxy 31.4431, 0.3917, 0.2451 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, 180) }
```

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

```
.border{ border-color:rgb(245, 98, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 98, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 98, 180);  
box-shadow:4px 4px 4px 4px rgb(245, 98,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4431, 0.3917, 0.2451 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, 180) }
```

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

```
.background{ background-color: rgb(245, 98,  
180) }
```

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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