

Converting Colors

$Yxy(31.4934, 0.3788, 0.2227)$

Have a look what the booklet for
Yxy(31.4934, 0.3788, 0.2227)
contains.

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Color

Yxy(31.5431, 0.3797, 0.2233)

Conversions

Conversions Part 1

Format	Color
Hex	FC57C5
RGB	252, 87, 197
RGB Percent	99%, 34%, 77%
CMY	0.0117, 0.6589, 0.2275
CMYK	0.00, 0.65, 0.22, 0.01
HSL	320°, 97%, 66%
HSV	320°, 65%, 99%
XYZ	53.6360, 31.5431, 56.0798
YIQ	148.8750, 63.0300, 69.1900

Conversions

Conversions Part 2

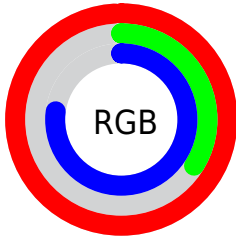
Format	Color
R _Y B	252, 87, 197
Decimal	16537541
CIE Lab	62.96, 72.82, -24.17
CIE LCh	63, 76.731, 341.637
Yxy	31.5431, 0.3797, 0.2233
Android (android.graphics.Color)	4294727621 (0xFFFC57C5)
YUV	148.8750, 23.7256, 90.4406
Hunter-Lab	56.1632, 72.1821, -19.8876

Details

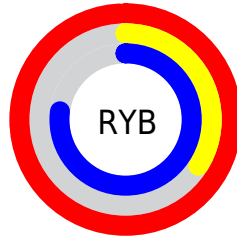
The Yxy color **31.5431, 0.3797, 0.2233** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **73.6134, 0.2819, 0.4757**, and the grayscale version is **29.8769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9735, 0.3185, 0.2247**, and **13.1896, 0.3984, 0.1968** is the 20% darker color. If you saturate the color by 10%, you get **27.7777, 0.3943, 0.2147**, and if you desaturate by 10%, it is **36.7566, 0.3659, 0.2358**.

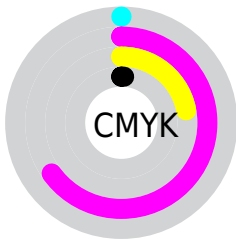
Distribution



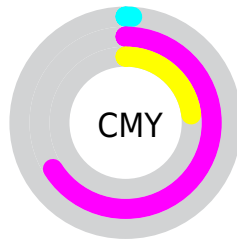
- Red (99%)
- Green (34%)
- Blue (77%)



- Red (99%)
- Yellow (34%)
- Blue (77%)



- Cyan (0%)
- Magenta (65%)
- Yellow (22%)
- Black (1%)





- Cyan (1%)
- Magenta (66%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5431, 0.3797, 0.2233 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 31.5431, 0.3797, 0.2233 by changing the saturation by 10% instead.


 31.5431, 0.3797,
0.2233


 31.5431, 0.3797,
0.2233


309.0326, 0.3468,
0.2741


 21.0128, 0.3877,
0.2114


 62.0941, 0.3679,
0.2412

 13.1333, 0.3977,
0.1965


 82.8836, 0.3634,
0.2481

 7.5204, 0.4108,
0.1776


 107.8616, 0.3596,
0.2540

 3.7896, 0.4283,
0.1529

 137.4124, 0.3563,
0.2591

 1.5566, 0.4528,
0.1200

171.9206, 0.3535,
0.2636

 0.3281, 0.4979,
0.0582

211.7704, 0.3510,

 0.0000, 0.5557,

0.2675

0.0000

257.3463, 0.3488,
0.2710

0.0000, 0.0000,
0.0000

31.5431, 0.3797,
0.2233

31.5431, 0.3797,
0.2233

27.7777, 0.3943,
0.2147

36.7566, 0.3659,
0.2358

25.2996, 0.4090,
0.2109

43.5472, 0.3532,
0.2510

23.9178, 0.4235,
0.2123

52.0347, 0.3418,
0.2679

23.5261, 0.4299,
0.2142

62.3262, 0.3319,
0.2855

74.5197, 0.3234,
0.3030

88.7063, 0.3162,
0.3200

99.4394, 0.3109,
0.3290

Harmonies

Analogous

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



31.5431, 0.2594, 0.1795



31.5431, 0.3797, 0.2233



31.5431, 0.4959, 0.2867

Triad

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



31.5431, 0.3797, 0.2233



31.5431, 0.4295, 0.5196



31.5431, 0.1249, 0.2286

Complementary

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



31.5431, 0.3797, 0.2233



73.6134, 0.2819, 0.4757

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.



31.5431, 0.1522, 0.3386



31.5431, 0.3797, 0.2233



31.5431, 0.3254, 0.5570

Square

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



31.5431, 0.3797, 0.2233



31.5431, 0.5128, 0.4391



31.5431, 0.2233, 0.4837



31.5431, 0.1337, 0.1755

Rectangle

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



31.5431, 0.3797, 0.2233



31.5431, 0.5383, 0.3344



31.5431, 0.2233, 0.4837



31.5431, 0.1296, 0.2584

Sweetspot

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



31.5447, 0.3797, 0.2233



70.6185, 0.3271, 0.2951



19.5947, 0.2202, 0.1343



14.3728, 0.3295, 0.2902



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.



31.5447, 0.3797, 0.2233



27.4801, 0.3995, 0.2128



28.7400, 0.4933, 0.3041



17.4204, 0.3189, 0.3133



12.2812, 0.4276, 0.2129



1.1571, 0.4116, 0.2041

Inverse Universe

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



31.5447, 0.3797, 0.2233



27.4801, 0.3995, 0.2128



77.0698, 0.2462, 0.3629



17.4204, 0.3189, 0.3133



12.2812, 0.4276, 0.2129



1.1571, 0.4116, 0.2041

Previews

White Background



This preview shows how the Yxy color 31.5431, 0.3797, 0.2233 looks on a white background.

Color Contrast Check

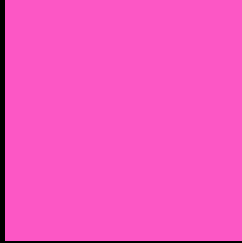
Large Text (above 18pt) WCAG AA × Fail

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 31.5431, 0.3797, 0.2233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

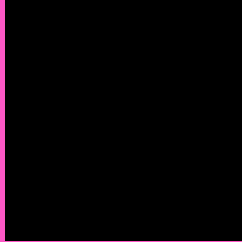
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5431, 0.3797, 0.2233

Background



This preview shows how black text looks on a background with the Yxy color 31.5431, 0.3797, 0.2233.



This preview shows how white text looks on a background with the Yxy color 31.5431, 0.3797, 0.2233.

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

31.5431, 0.3797, 0.2233

Protanopia

32.1183, 0.2197, 0.2040

Deuteranopia

31.6098, 0.2794, 0.2725



Tritanopia

31.3986, 0.4725, 0.3213

Trichromacy



Original Color

31.5431, 0.3797, 0.2233



Protanomaly

28.7795, 0.2597, 0.2014



Deuteranomaly

29.2481, 0.3124, 0.2446



Tritanomaly

31.1151, 0.4409, 0.2835

Monochromacy



Original Color

31.5431, 0.3797, 0.2233



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.1140, 0.3379, 0.2746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5431, 0.3797, 0.2233 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(252, 87, 197)` looks like.

```
.text, #text, p{  
    color:rgb(252, 87, 197)  
}
```

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(252, 87, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 87, 197) }
```

Border

The CSS property to change the border of an element to Yxy 31.5431, 0.3797, 0.2233 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(252, 87, 197) }
```

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

```
.border{ border-color:rgb(252, 87, 197) }
```

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

Here you see how a box with a 4 pixel rgb(252, 87, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 87, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 87, 197);  
box-shadow:4px 4px 4px 4px rgb(252, 87,  
197) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.5431, 0.3797, 0.2233$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 87, 197) }
```

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

```
.background{ background-color: rgb(252, 87,  
197) }
```

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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