

Converting Colors

Yxy(31.9788, 0.3629, 0.2117)

Have a look what the booklet for
Yxy(31.9788, 0.3629, 0.2117)
contains.

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Color

Yxy(31.9788, 0.3629, 0.2117)

Conversions

Conversions Part 1

Format	Color
Hex	FB57D2
RGB	251, 87, 210
RGB Percent	98%, 34%, 82%
CMY	0.0158, 0.6587, 0.1764
CMYK	0.00, 0.65, 0.16, 0.02
HSL	315°, 95%, 66%
HSV	315°, 65%, 98%
XYZ	54.8186, 31.9788, 64.2597
YIQ	150.0580, 58.2610, 73.0210

Conversions

Conversions Part 2

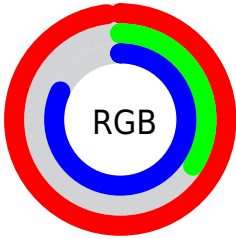
Format	Color
R_{YB}	251, 87, 210
Decimal	16472018
CIE _{Lab}	63.33, 74.28, -30.99
CIE _{LCh}	63, 80.485, 337.352
Yxy	31.9788, 0.3629, 0.2117
Android (android.graphics.Color)	4294662098 (0xFFFB57D2)
YUV	150.0580, 29.5514, 88.5261
Hunter-Lab	56.5498, 74.0734, -27.7886

Details

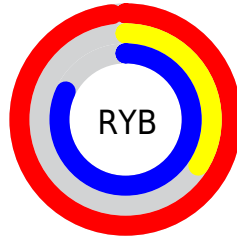
The Yxy color **31.9788, 0.3629, 0.2117** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **72.5659, 0.2877, 0.4934**, and the grayscale version is **30.3848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3474, 0.3176, 0.2248**, and **13.4429, 0.3753, 0.1841** is the 20% darker color. If you saturate the color by 10%, you get **28.2902, 0.3732, 0.2016**, and if you desaturate by 10%, it is **37.0948, 0.3530, 0.2257**.

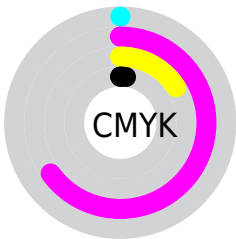
Distribution



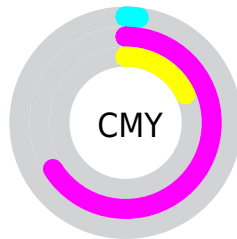
- Red (98%)
- Green (34%)
- Blue (82%)



- Red (98%)
- Yellow (34%)
- Blue (82%)



- Cyan (0%)
- Magenta (65%)
- Yellow (16%)
- Black (2%)





- Cyan (2%)
- Magenta (66%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9788, 0.3629, 0.2117 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 31.9788, 0.3629, 0.2117 by changing the saturation by 10% instead.

 31.9788, 0.3629,
0.2117

 31.9788, 0.3629,
0.2117


311.0227, 0.3394,
0.2670


 21.3453, 0.3682,
0.1990


 62.7779, 0.3548,
0.2310

 13.3766, 0.3747,
0.1834


 83.7122, 0.3516,
0.2385

 7.6884, 0.3828,
0.1639


 108.8490, 0.3489,
0.2449

 3.8962, 0.3929,
0.1390

 138.5725, 0.3465,
0.2505

 1.6157, 0.4058,
0.1067

173.2673, 0.3444,
0.2554

 0.3681, 0.4272,
0.0529

213.3176, 0.3426,

 0.0000, 0.4455,

0.2597

0.0000

259.1080, 0.3409,
0.2636

■ 0.0000, 0.2724,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.9788, 0.3629,
0.2117

■ 31.9788, 0.3629,
0.2117

■ 28.2902, 0.3732,
0.2016

■ 37.0948, 0.3530,
0.2257

■ 25.8704, 0.3834,
0.1962


■ 43.7653, 0.3437,
0.2425

■ 24.5315, 0.3934,
0.1956

■ 52.1085, 0.3352,
0.2612


■ 24.1466, 0.3979,
0.1966

■ 62.2301, 0.3276,
0.2807

 74.2268, 0.3210,
0.3002

 88.1884, 0.3154,
0.3192

 99.1748, 0.3109,
0.3300

 99.2448, 0.3102,
0.3290

Harmonies

Analogous

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



31.9788, 0.2420, 0.1706



31.9788, 0.3629, 0.2117



31.9788, 0.4894, 0.2744

Triad

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



31.9788, 0.3629, 0.2117



31.9788, 0.4457, 0.5139



31.9788, 0.1206, 0.2363

Complementary

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



31.9788, 0.3629, 0.2117



72.5659, 0.2877, 0.4934

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.



31.9788, 0.1539, 0.3595



31.9788, 0.3629, 0.2117



31.9788, 0.3396, 0.5673

Square

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



31.9788, 0.3629, 0.2117



31.9788, 0.5276, 0.4279



31.9788, 0.2326, 0.5103



31.9788, 0.1251, 0.1750

Rectangle

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



31.9788, 0.3629, 0.2117



31.9788, 0.5414, 0.3223



31.9788, 0.2326, 0.5103



31.9788, 0.1270, 0.2701

Sweetspot

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



31.9804, 0.3629, 0.2117



70.8719, 0.3240, 0.2911



18.1674, 0.2084, 0.1291



14.4339, 0.3259, 0.2855



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.



31.9804, 0.3629, 0.2117



28.5200, 0.3760, 0.1996



28.9589, 0.4693, 0.2876



17.4461, 0.3176, 0.3114



12.7198, 0.3964, 0.1957



1.1950, 0.3854, 0.1897

Inverse Universe

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



31.9804, 0.3629, 0.2117



28.5200, 0.3760, 0.1996



75.5249, 0.2531, 0.3846



17.4461, 0.3176, 0.3114



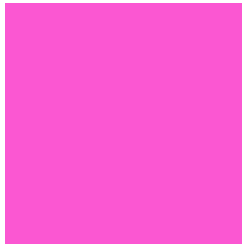
12.7198, 0.3964, 0.1957



1.1950, 0.3854, 0.1897

Previews

White Background



This preview shows how the Yxy color 31.9788, 0.3629, 0.2117 looks on a white background.

Color Contrast Check

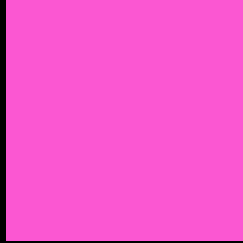
Large Text (above 18pt) WCAG AA × Fail

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 31.9788, 0.3629, 0.2117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

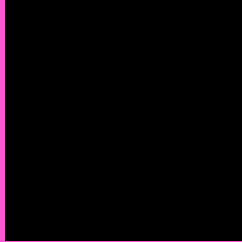
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9788, 0.3629, 0.2117

Background



This preview shows how black text looks on a background with the Yxy color 31.9788, 0.3629, 0.2117.



This preview shows how white text looks on a background with the Yxy color 31.9788, 0.3629, 0.2117.

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

31.9788, 0.3629, 0.2117

Protanopia

32.3477, 0.2123, 0.1940

Deuteranopia

32.1430, 0.2645, 0.2590



Tritanopia

31.8217, 0.4621, 0.3210

Trichromacy



Original Color

31.9788, 0.3629, 0.2117



Protanomaly

28.9878, 0.2489, 0.1906



Deuteranomaly

29.7431, 0.2950, 0.2314



Tritanomaly

31.4129, 0.4258, 0.2772

Monochromacy



Original Color

31.9788, 0.3629, 0.2117



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

28.7221, 0.3322, 0.2686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9788, 0.3629, 0.2117 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(251, 87, 210)` looks like.

```
.text, #text, p{  
    color:rgb(251, 87, 210)  
}
```

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(251, 87, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 87, 210) }
```

Border

The CSS property to change the border of an element to Yxy 31.9788, 0.3629, 0.2117 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(251, 87, 210) }
```

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

```
.border{ border-color:rgb(251, 87, 210) }
```

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

Here you see how a box with a 4 pixel rgb(251, 87, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 87, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 87, 210);  
box-shadow:4px 4px 4px 4px rgb(251, 87,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9788, 0.3629, 0.2117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 87, 210) }
```

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

```
.background{ background-color: rgb(251, 87,  
210) }
```

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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