

Converting Colors

$Y_{xy}(31.0066, 0.3430, 0.1928)$

Have a look what the booklet for
Yxy(31.0066, 0.3430, 0.1928)
contains.

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Color

Yxy(30.9847, 0.3435, 0.1932)

Conversions

Conversions Part 1

Format	Color
Hex	F84FE1
RGB	248, 79, 225
RGB Percent	97%, 31%, 88%
CMY	0.0276, 0.6900, 0.1177
CMYK	0.00, 0.68, 0.09, 0.03
HSL	308°, 92%, 64%
HSV	308°, 68%, 97%
XYZ	55.0893, 30.9847, 74.3023
YIQ	146.1750, 53.8580, 81.2340

Conversions

Conversions Part 2

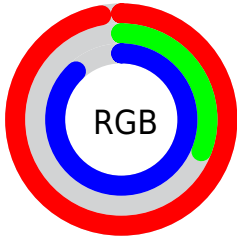
Format	Color
R _Y B	248, 79, 225
Decimal	16273377
CIE Lab	62.49, 78.54, -40.74
CIE LCh	62, 88.482, 332.582
Yxy	30.9847, 0.3435, 0.1932
Android (android.graphics.Color)	4294463457 (0xFFFF84FE1)
YUV	146.1750, 38.8607, 89.3005
Hunter-Lab	55.6639, 79.2454, -40.1779

Details

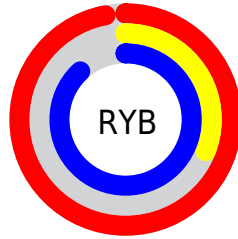
The Yxy color **30.9847, 0.3435, 0.1932** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light washed magenta. A complement of this color would be **69.7426, 0.2949, 0.5248**, and the grayscale version is **28.6492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2362, 0.3179, 0.2187**, and **13.5559, 0.3482, 0.1692** is the 20% darker color. If you saturate the color by 10%, you get **27.8666, 0.3488, 0.1828**, and if you desaturate by 10%, it is **35.4429, 0.3382, 0.2078**.

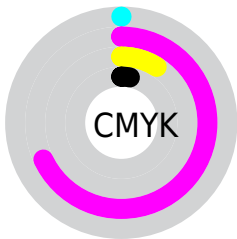
Distribution



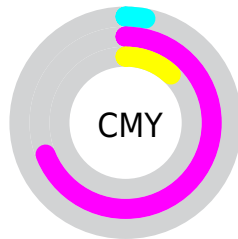
- Red (97%)
- Green (31%)
- Blue (88%)



- Red (97%)
- Yellow (31%)
- Blue (88%)



- Cyan (0%)
- Magenta (68%)
- Yellow (9%)
- Black (3%)



- Cyan (3%)
- Magenta (69%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9847, 0.3435, 0.1932 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 30.9847, 0.3435, 0.1932 by changing the saturation by 10% instead.


 30.9847, 0.3435,
0.1932


 30.9847, 0.3435,
0.1932


306.4678, 0.3310,
0.2559


 20.5872, 0.3458,
0.1793


 61.2160, 0.3396,
0.2147


 12.8226, 0.3482,
0.1624


 81.8186, 0.3379,
0.2232

 7.3065, 0.3507,
0.1417


 106.5916, 0.3365,
0.2305

 3.6545, 0.3528,
0.1160

 135.9195, 0.3351,
0.2369

 1.4822, 0.3533,
0.0844

170.1867, 0.3339,
0.2425

 0.2762, 0.3544,
0.0325

209.7776, 0.3329,

 0.0000, 0.3342,

0.2475

0.0000

255.0765, 0.3319,
0.2519

■ 0.0000, 0.0926,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.9847, 0.3435,
0.1932

■ 30.9847, 0.3435,
0.1932

■ 27.8666, 0.3488,
0.1828

■ 35.4429, 0.3382,
0.2078

■ 25.9272, 0.3538,
0.1769

■ 41.3696, 0.3329,
0.2257


■ 24.9520, 0.3585,
0.1754


■ 48.8832, 0.3279,
0.2460


■ 24.8184, 0.3593,
0.1753


■ 58.0888, 0.3233,
0.2676

 69.0826, 0.3191,
0.2898

 81.9533, 0.3154,
0.3117

 96.7839, 0.3121,
0.3329

 98.4986, 0.3101,
0.3319

 98.6915, 0.3084,
0.3290

Harmonies

Analogous

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



30.9847, 0.2180, 0.1545



30.9847, 0.3435, 0.1932



30.9847, 0.4887, 0.2563

Triad

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



30.9847, 0.3435, 0.1932



30.9847, 0.4674, 0.5095



30.9847, 0.1088, 0.2414

Complementary

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



30.9847, 0.3435, 0.1932



69.7426, 0.2949, 0.5248

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.



30.9847, 0.1490, 0.3889



30.9847, 0.3435, 0.1932



30.9847, 0.3543, 0.5877

Square

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



30.9847, 0.3435, 0.1932



30.9847, 0.5530, 0.4137



30.9847, 0.2388, 0.5549



30.9847, 0.1088, 0.1682

Rectangle

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



30.9847, 0.3435, 0.1932



30.9847, 0.5551, 0.3052



30.9847, 0.2388, 0.5549



30.9847, 0.1170, 0.2819

Sweetspot

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



30.9862, 0.3435, 0.1932



71.2268, 0.3199, 0.2856



15.1746, 0.1925, 0.1161



14.5199, 0.3211, 0.2793



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.



30.9862, 0.3435, 0.1932



28.7273, 0.3508, 0.1799



27.4733, 0.4547, 0.2698



17.4815, 0.3159, 0.3088



13.4257, 0.3586, 0.1749



1.2543, 0.3534, 0.1721

Inverse Universe

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



30.9862, 0.3435, 0.1932



28.7273, 0.3508, 0.1799



72.3292, 0.2594, 0.4109



17.4815, 0.3159, 0.3088



13.4257, 0.3586, 0.1749



1.2543, 0.3534, 0.1721

Previews

White Background



This preview shows how the Yxy color 30.9847, 0.3435, 0.1932 looks on a white background.

Color Contrast Check

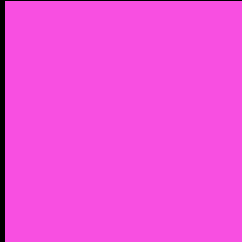
Large Text (above 18pt) WCAG AA × Fail

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 30.9847, 0.3435, 0.1932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

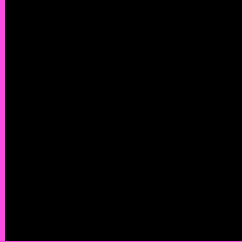
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9847, 0.3435, 0.1932

Background



This preview shows how black text looks on a background with the Yxy color 30.9847, 0.3435, 0.1932.



This preview shows how white text looks on a background with the Yxy color 30.9847, 0.3435, 0.1932.

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

30.9847, 0.3435, 0.1932

Protanopia

31.4031, 0.2092, 0.1906

Deuteranopia

31.2569, 0.2435, 0.2383



Tritanopia

30.7053, 0.4591, 0.3208

Trichromacy



Original Color

30.9847, 0.3435, 0.1932



Protanomaly

27.8657, 0.2420, 0.1807



Deuteranomaly

28.2479, 0.2732, 0.2093



Tritanomaly

30.0931, 0.4163, 0.2671

Monochromacy



Original Color

30.9847, 0.3435, 0.1932



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.0815, 0.3251, 0.2572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9847, 0.3435, 0.1932 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, 79, 225)` looks like.

```
.text, #text, p{  
    color:rgb(248, 79, 225)  
}
```

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, 79, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 79, 225) }
```

Border

The CSS property to change the border of an element to Yxy 30.9847, 0.3435, 0.1932 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, 79, 225) }
```

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

```
.border{ border-color:rgb(248, 79, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 79, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 79, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 79, 225);  
box-shadow:4px 4px 4px 4px rgb(248, 79,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9847, 0.3435, 0.1932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 79, 225) }
```

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

```
.background{ background-color: rgb(248, 79,  
225) }
```

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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