

Converting Colors

$Y_{xy}(48.4377, 0.4121, 0.2205)$

Have a look what the booklet for
Yxy(48.4377, 0.4121, 0.2205)
contains.

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Color

Yxy(31.7209, 0.3434, 0.1874)

Conversions

Conversions Part 1

Format	Color
Hex	FF48E8
RGB	255, 72, 232
RGB Percent	100%, 28%, 91%
CMY	0.0000, 0.7177, 0.0901
CMYK	0.00, 0.72, 0.09, 0.00
HSL	308°, 100%, 64%
HSV	308°, 72%, 100%
XYZ	58.1268, 31.7209, 79.4207
YIQ	144.9570, 57.7080, 88.5560

Conversions

Conversions Part 2

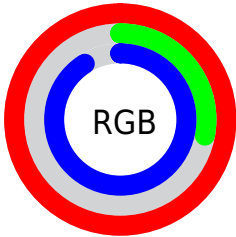
Format	Color
R_{YB}	255, 72, 232
Decimal	16730344
CIE _{Lab}	63.11, 83.41, -43.63
CIE _{LCh}	63, 94.133, 332.384
Yxy	31.7209, 0.3434, 0.1874
Android (android.graphics.Color)	4294920424 (0xFFFF48E8)
YUV	144.9570, 42.9122, 96.5077
Hunter-Lab	56.3213, 85.6598, -44.1821

Details

The Yxy color **31.7209, 0.3434, 0.1874** 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 **73.7231, 0.2953, 0.5376**, and the grayscale version is **28.1010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0883, 0.3181, 0.2153**, and **14.6039, 0.3458, 0.1679** is the 20% darker color. If you saturate the color by 10%, you get **28.9000, 0.3482, 0.1785**, and if you desaturate by 10%, it is **35.9119, 0.3385, 0.2006**.

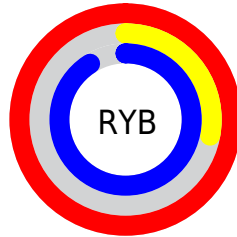
Distribution



Red (100%)

Green (28%)

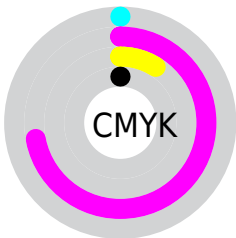
Blue (91%)



Red (100%)

Yellow (28%)

Blue (91%)

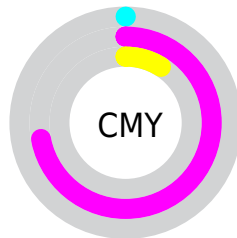


Cyan (0%)

Magenta (72%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (72%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7209, 0.3434, 0.1874 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 31.7209, 0.3434, 0.1874 by changing the saturation by 10% instead.


 31.7209, 0.3434,
0.1874


 31.7209, 0.3434,
0.1874


309.8459, 0.3314,
0.2519


 21.1484, 0.3455,
0.1733


 62.3733, 0.3397,
0.2093

 13.2325, 0.3476,
0.1564


 83.2220, 0.3382,
0.2180

 7.5889, 0.3497,
0.1358


 108.2649, 0.3367,
0.2255

 3.8330, 0.3512,
0.1106

 137.8863, 0.3354,
0.2321

 1.5806, 0.3509,
0.0800

172.4708, 0.3343,
0.2379

 0.3445, 0.3492,
0.0347

212.4026, 0.3332,

 0.0000, 0.3305,

0.2431

0.0000

258.0662, 0.3322,
0.2477

■ 0.0000, 0.2032,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.7209, 0.3434,
0.1874

■ 31.7209, 0.3434,
0.1874

■ 28.9000, 0.3482,
0.1785

■ 35.9119, 0.3385,
0.2006


■ 27.2663, 0.3526,
0.1742


■ 41.6223, 0.3335,
0.2175


■ 26.5870, 0.3561,
0.1735

■ 48.9832, 0.3288,
0.2373

■ 58.1114, 0.3243,
0.2588

 69.1132, 0.3202,
0.2811

 82.0862, 0.3165,
0.3035

 97.1214, 0.3132,
0.3252

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



31.7209, 0.2128, 0.1480



31.7209, 0.3434, 0.1874



31.7209, 0.4970, 0.2518

Triad

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



31.7209, 0.3434, 0.1874



31.7209, 0.4707, 0.5126



31.7209, 0.1014, 0.2366

Complementary

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



31.7209, 0.3434, 0.1874



73.7231, 0.2953, 0.5376

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.



31.7209, 0.1418, 0.3927



31.7209, 0.3434, 0.1874



31.7209, 0.3528, 0.5998

Square

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



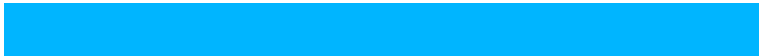
31.7209, 0.3434, 0.1874



31.7209, 0.5618, 0.4119



31.7209, 0.2338, 0.5707



31.7209, 0.1019, 0.1616

Rectangle

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



31.7209, 0.3434, 0.1874



31.7209, 0.5669, 0.3016



31.7209, 0.2338, 0.5707



31.7209, 0.1095, 0.2789

Sweetspot

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



31.7214, 0.3434, 0.1874



68.8355, 0.3203, 0.2806



14.1989, 0.1844, 0.1051



14.0569, 0.3214, 0.2745



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.



31.7214, 0.3434, 0.1874



28.0756, 0.3501, 0.1762



27.8511, 0.4624, 0.2658



18.2588, 0.3157, 0.3085



13.9077, 0.3555, 0.1732



1.3647, 0.3509, 0.1707

Inverse Universe

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



31.7214, 0.3434, 0.1874



28.0756, 0.3501, 0.1762



76.3938, 0.2597, 0.4206



18.2588, 0.3157, 0.3085



13.9077, 0.3555, 0.1732



1.3647, 0.3509, 0.1707

Previews

White Background



This preview shows how the Yxy color 31.7209, 0.3434, 0.1874 looks on a white background.

Color Contrast Check

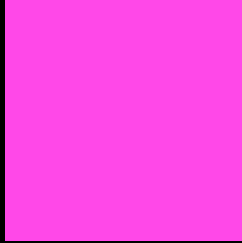
Large Text (above 18pt) WCAG AA × Fail

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 31.7209, 0.3434, 0.1874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

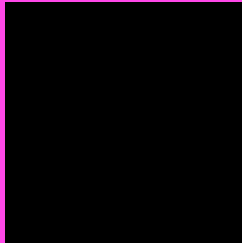
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7209, 0.3434, 0.1874

Background



This preview shows how black text looks on a background with the Yxy color 31.7209, 0.3434, 0.1874.

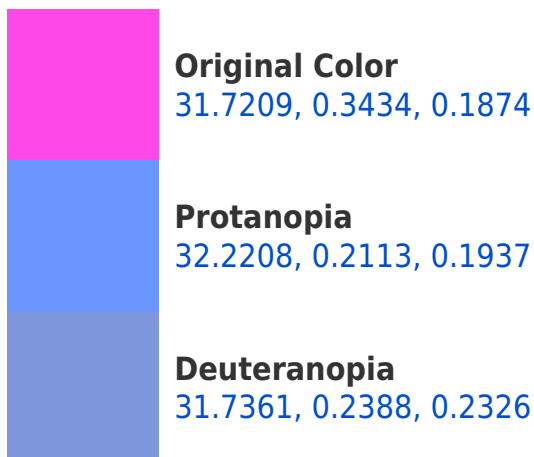


This preview shows how white text looks on a background with the Yxy color 31.7209, 0.3434, 0.1874.

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





Tritanopia

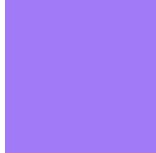
31.4909, 0.4681, 0.3222

Trichromacy



Original Color

31.7209, 0.3434, 0.1874



Protanomaly

28.2115, 0.2432, 0.1785



Deuteranomaly

28.1851, 0.2693, 0.2016



Tritanomaly

30.6431, 0.4222, 0.2651

Monochromacy



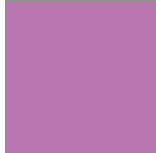
Original Color

31.7209, 0.3434, 0.1874



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

26.4455, 0.3255, 0.2501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7209, 0.3434, 0.1874 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(255, 72, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 72, 232)  
}
```

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(255, 72, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 72, 232) }
```

Border

The CSS property to change the border of an element to Yxy 31.7209, 0.3434, 0.1874 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(255, 72, 232) }
```

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

```
.border{ border-color:rgb(255, 72, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 72, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 72, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 72, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 72,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7209, 0.3434, 0.1874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 72, 232) }
```

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

```
.background{ background-color: rgb(255, 72,  
232) }
```

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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