

Converting Colors

$Y_{xy}(35.7179, 0.3541, 0.2089)$

Have a look what the booklet for
Yxy(35.7179, 0.3541, 0.2089)
contains.

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Color

Yxy(34.8807, 0.3493, 0.2068)

Conversions

Conversions Part 1

Format	Color
Hex	FF5FE1
RGB	255, 95, 225
RGB Percent	100%, 37%, 88%
CMY	0.0001, 0.6273, 0.1176
CMYK	0.00, 0.63, 0.12, 0.00
HSL	311°, 100%, 69%
HSV	311°, 63%, 100%
XYZ	58.9160, 34.8807, 74.8721
YIQ	157.6600, 53.6300, 74.3500

Conversions

Conversions Part 2

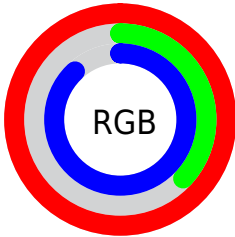
Format	Color
R _{YB}	255, 95, 225
Decimal	16736225
CIE _{Lab}	65.66, 74.36, -35.74
CIE _{LCh}	66, 82.500, 334.326
Y _{xy}	34.8807, 0.3493, 0.2068
Android (android.graphics.Color)	4294926305 (0xFFFF5FE1)
Y _{UV}	157.6600, 33.1986, 85.3672
Hunter-Lab	59.0599, 74.7103, -33.8219

Details

The Yxy color **34.8807, 0.3493, 0.2068** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **75.4162, 0.2921, 0.4987**, and the grayscale version is **33.8652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5912, 0.3173, 0.2311**, and **15.0405, 0.3572, 0.1794** is the 20% darker color. If you saturate the color by 10%, you get **30.7573, 0.3567, 0.1947**, and if you desaturate by 10%, it is **40.5174, 0.3421, 0.2226**.

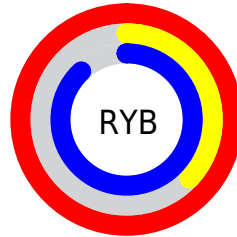
Distribution



Red (100%)

Green (37%)

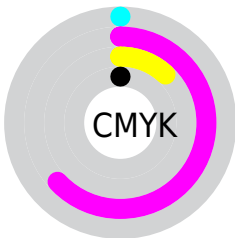
Blue (88%)



Red (100%)

Yellow (37%)

Blue (88%)

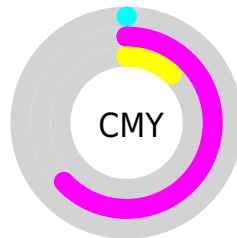


Cyan (0%)

Magenta (63%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (63%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8807, 0.3493, 0.2068 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 34.8807, 0.3493, 0.2068 by changing the saturation by 10% instead.


 34.8807, 0.3493,
0.2068


 34.8807, 0.3493,
0.2068


324.0414, 0.3334,
0.2632


 23.5710, 0.3526,
0.1942


 67.3009, 0.3440,
0.2262


 15.0157, 0.3564,
0.1789


 89.1802, 0.3419,
0.2338

 8.8304, 0.3608,
0.1599


 115.3515, 0.3401,
0.2404

 4.6307, 0.3659,
0.1361

 146.1991, 0.3384,
0.2461

 2.0323, 0.3713,
0.1059

182.1076, 0.3369,
0.2511

 0.6261, 0.3765,
0.0657

223.4612, 0.3356,

 0.0000, 0.3830,

0.2556

0.0000

270.6443, 0.3345,
0.2596

■ 0.0000, 0.2843,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.8807, 0.3493,
0.2068

■ 34.8807, 0.3493,
0.2068

■ 30.7573, 0.3567,
0.1947

■ 40.5174, 0.3421,
0.2226

■ 27.9891, 0.3641,
0.1871

■ 47.7946, 0.3352,
0.2411


■ 26.3924, 0.3711,
0.1842

■ 56.8320, 0.3289,
0.2613

■ 25.7699, 0.3760,
0.1845

■ 67.7367, 0.3232,
0.2823

 80.6072, 0.3182,
0.3032

 95.5350, 0.3138,
0.3236

99.9943, 0.3127,
0.3290

Harmonies

Analogous

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



34.8807, 0.2323, 0.1684



34.8807, 0.3493, 0.2068



34.8807, 0.4778, 0.2677

Triad

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



34.8807, 0.3493, 0.2068



34.8807, 0.4552, 0.5053



34.8807, 0.1227, 0.2461

Complementary

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



34.8807, 0.3493, 0.2068



75.4162, 0.2921, 0.4987

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.



34.8807, 0.1603, 0.3749



34.8807, 0.3493, 0.2068



34.8807, 0.3508, 0.5647

Square

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



34.8807, 0.3493, 0.2068



34.8807, 0.5327, 0.4193



34.8807, 0.2431, 0.5212



34.8807, 0.1236, 0.1794

Rectangle

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



34.8807, 0.3493, 0.2068



34.8807, 0.5352, 0.3150



34.8807, 0.2431, 0.5212



34.8807, 0.1304, 0.2821

Sweetspot

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



34.8824, 0.3493, 0.2068



72.3172, 0.3212, 0.2901



19.7208, 0.2075, 0.1341



14.7240, 0.3227, 0.2841



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.



34.8824, 0.3493, 0.2068



30.0226, 0.3584, 0.1926



31.5107, 0.4488, 0.2801



18.2386, 0.3167, 0.3099



13.4898, 0.3750, 0.1839



1.3278, 0.3676, 0.1799

Inverse Universe

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



34.8824, 0.3493, 0.2068



30.0226, 0.3584, 0.1926



78.3110, 0.2578, 0.3926



18.2386, 0.3167, 0.3099



13.4898, 0.3750, 0.1839



1.3278, 0.3676, 0.1799

Previews

White Background



This preview shows how the Yxy color 34.8807, 0.3493, 0.2068 looks on a white background.

Color Contrast Check

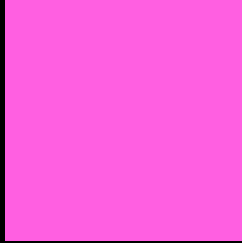
Large Text (above 18pt) WCAG AA × Fail

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 34.8807, 0.3493, 0.2068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

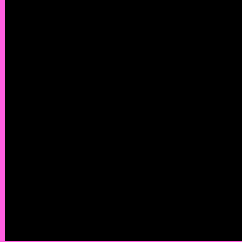
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.8807, 0.3493, 0.2068

Background



This preview shows how black text looks on a background with the Yxy color 34.8807, 0.3493, 0.2068.

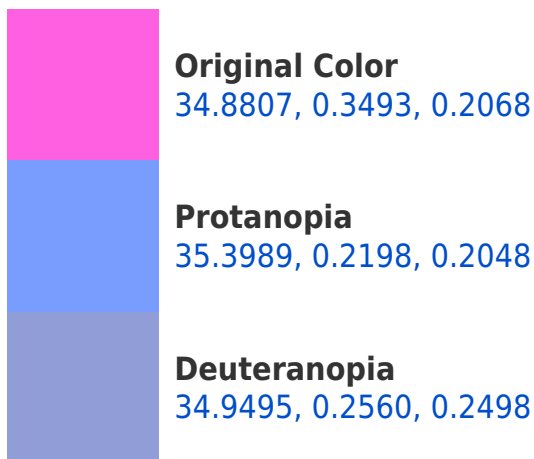


This preview shows how white text looks on a background with the Yxy color 34.8807, 0.3493, 0.2068.

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

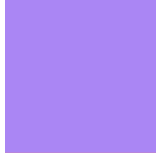
34.6722, 0.4485, 0.3209

Trichromacy



Original Color

34.8807, 0.3493, 0.2068



Protanomaly

32.1279, 0.2539, 0.1969



Deuteranomaly

32.3550, 0.2842, 0.2239



Tritanomaly

34.4084, 0.4124, 0.2752

Monochromacy



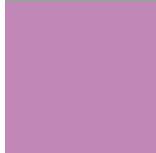
Original Color

34.8807, 0.3493, 0.2068



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.0428, 0.3271, 0.2681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8807, 0.3493, 0.2068 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, 95, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 95, 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(255, 95, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 95, 225) }
```

Border

The CSS property to change the border of an element to Yxy 34.8807, 0.3493, 0.2068 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, 95, 225) }
```

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

```
.border{ border-color:rgb(255, 95, 225) }
```

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

Here you see how a box with a 4 pixel rgb(255, 95, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 95, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 95, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 95,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8807, 0.3493, 0.2068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 95, 225) }
```

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

```
.background{ background-color: rgb(255, 95,  
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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