

Converting Colors

$Y_{xy}(34.9272, 0.3327, 0.2045)$

Have a look what the booklet for
Yxy(34.9272, 0.3327, 0.2045)
contains.

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Color

Yxy(35.0826, 0.3326, 0.2046)

Conversions

Conversions Part 1

Format	Color
Hex	F568E7
RGB	245, 104, 231
RGB Percent	96%, 41%, 91%
CMY	0.0392, 0.5921, 0.0942
CMYK	0.00, 0.58, 0.06, 0.04
HSL	306°, 88%, 68%
HSV	306°, 58%, 96%
XYZ	57.0307, 35.0826, 79.3559
YIQ	160.6370, 43.2690, 69.3890

Conversions

Conversions Part 2

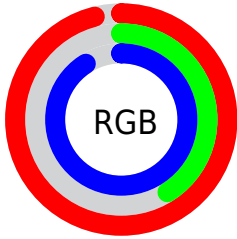
Format	Color
R _Y B	245, 104, 231
Decimal	16083175
CIE Lab	65.81, 69.08, -38.93
CIE LCh	66, 79.294, 330.598
Yxy	35.0826, 0.3326, 0.2046
Android (android.graphics.Color)	4294273255 (0xFFFF568E7)
YUV	160.6370, 34.6890, 73.9864
Hunter-Lab	59.2306, 68.2168, -37.9742

Details

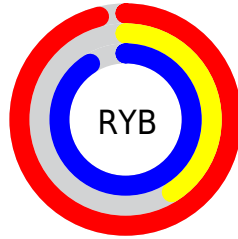
The Yxy color **35.0826, 0.3326, 0.2046** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **69.5624, 0.2983, 0.4984**, and the grayscale version is **35.2859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9697, 0.3170, 0.2375**, and **15.1902, 0.3352, 0.1767** is the 20% darker color. If you saturate the color by 10%, you get **30.7109, 0.3366, 0.1894**, and if you desaturate by 10%, it is **40.8918, 0.3286, 0.2232**.

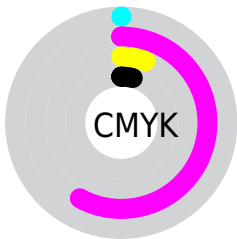
Distribution



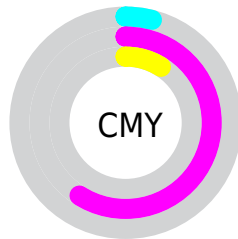
- Red (96%)
- Green (41%)
- Blue (91%)



- Red (96%)
- Yellow (41%)
- Blue (91%)



- Cyan (0%)
- Magenta (58%)
- Yellow (6%)
- Black (4%)





- Cyan (4%)
- Magenta (59%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0826, 0.3326, 0.2046 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 35.0826, 0.3326, 0.2046 by changing the saturation by 10% instead.


 35.0826, 0.3326,
0.2046


 35.0826, 0.3326,
0.2046


324.9328, 0.3252,
0.2618


 23.7265, 0.3337,
0.1919


 67.6137, 0.3305,
0.2242

 15.1309, 0.3348,
0.1764


 89.5575, 0.3295,
0.2320

 8.9113, 0.3356,
0.1573


 115.7994, 0.3286,
0.2386

 4.6834, 0.3358,
0.1335

 146.7236, 0.3278,
0.2445

 2.0627, 0.3341,
0.1034

182.7147, 0.3271,
0.2496

 0.6435, 0.3284,
0.0641

224.1570, 0.3264,

 0.0000, 0.3165,

0.2541

0.0000

271.4349, 0.3258,
0.2582

■ 0.0000, 0.1605,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.0826, 0.3326,
0.2046

■ 35.0826, 0.3326,
0.2046

■ 30.7109, 0.3366,
0.1894

■ 40.8918, 0.3286,
0.2232

■ 27.6438, 0.3404,
0.1783


■ 48.2464, 0.3248,
0.2442


■ 25.7325, 0.3441,
0.1718


■ 57.2493, 0.3211,
0.2666


■ 24.7776, 0.3474,
0.1694

■ 67.9936, 0.3178,
0.2896


 24.6155, 0.3482,
0.1692

 80.5650, 0.3148,
0.3123

 95.0439, 0.3121,
0.3343

 97.7141, 0.3105,
0.3358

 97.8664, 0.3091,
0.3334

 98.0207, 0.3078,
0.3310

Harmonies

Analogous

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



35.0826, 0.2240, 0.1703



35.0826, 0.3326, 0.2046



35.0826, 0.4577, 0.2620

Triad

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



35.0826, 0.3326, 0.2046



35.0826, 0.4637, 0.4913



35.0826, 0.1307, 0.2621

Complementary

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



35.0826, 0.3326, 0.2046



69.5624, 0.2983, 0.4984

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.



35.0826, 0.1736, 0.3920



35.0826, 0.3326, 0.2046



35.0826, 0.3647, 0.5526

Square

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



35.0826, 0.3326, 0.2046



35.0826, 0.5320, 0.4088



35.0826, 0.2591, 0.5243



35.0826, 0.1270, 0.1898

Rectangle

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



35.0826, 0.3326, 0.2046



35.0826, 0.5190, 0.3079



35.0826, 0.2591, 0.5243



35.0826, 0.1401, 0.2995

Sweetspot

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



35.0842, 0.3326, 0.2046



75.1176, 0.3176, 0.2907



20.1907, 0.2079, 0.1468



15.5330, 0.3183, 0.2861



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.



35.0842, 0.3326, 0.2046



33.0029, 0.3372, 0.1874



31.9511, 0.4125, 0.2679



16.7382, 0.3153, 0.3080



13.2715, 0.3477, 0.1689



1.1745, 0.3439, 0.1668

Inverse Universe

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



35.0842, 0.3326, 0.2046



33.0029, 0.3372, 0.1874



71.8098, 0.2669, 0.4056



16.7382, 0.3153, 0.3080



13.2715, 0.3477, 0.1689



1.1745, 0.3439, 0.1668

Previews

White Background



This preview shows how the Yxy color 35.0826, 0.3326, 0.2046 looks on a white background.

Color Contrast Check

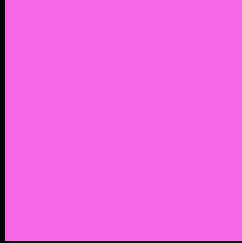
Large Text (above 18pt) WCAG AA × Fail

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 35.0826, 0.3326, 0.2046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

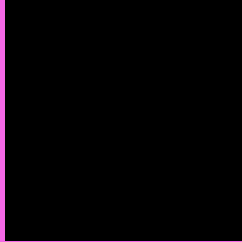
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.0826, 0.3326, 0.2046

Background



This preview shows how black text looks on a background with the Yxy color 35.0826, 0.3326, 0.2046.



This preview shows how white text looks on a background with the Yxy color 35.0826, 0.3326, 0.2046.

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

35.0826, 0.3326, 0.2046

Protanopia

35.4715, 0.2204, 0.2050

Deuteranopia

35.3031, 0.2489, 0.2426



Tritanopia

34.9355, 0.4240, 0.3181

Trichromacy



Original Color

35.0826, 0.3326, 0.2046



Protanomaly

33.0463, 0.2508, 0.1990



Deuteranomaly

33.0782, 0.2744, 0.2212



Tritanomaly

34.5229, 0.3901, 0.2713

Monochromacy



Original Color

35.0826, 0.3326, 0.2046



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

33.5078, 0.3216, 0.2696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0826, 0.3326, 0.2046 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(245, 104, 231)` looks like.

```
.text, #text, p{  
    color:rgb(245, 104, 231)  
}
```

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(245, 104, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 104, 231) }
```

Border

The CSS property to change the border of an element to Yxy 35.0826, 0.3326, 0.2046 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(245, 104, 231) }
```

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

```
.border{ border-color:rgb(245, 104, 231) }
```

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

Here you see how a box with a 4 pixel rgb(245, 104, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 104, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 104, 231);  
box-shadow:4px 4px 4px 4px rgb(245, 104,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0826, 0.3326, 0.2046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 104, 231) }
```

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

```
.background{ background-color: rgb(245,  
104, 231) }
```

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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