

Converting Colors

$Y_{xy}(35.0843, 0.3046, 0.1829)$

Have a look what the booklet for
Yxy(35.0843, 0.3046, 0.1829)
contains.

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Color

Yxy(35.0735, 0.3045, 0.1829)

Conversions

Conversions Part 1

Format	Color
Hex	EF66FF
RGB	239, 102, 255
RGB Percent	94%, 40%, 100%
CMY	0.0628, 0.5999, 0.0000
CMYK	0.06, 0.60, 0.00, 0.00
HSL	294°, 100%, 70%
HSV	294°, 60%, 100%
XYZ	58.3919, 35.0735, 98.2978
YIQ	160.4050, 32.5390, 76.6270

Conversions

Conversions Part 2

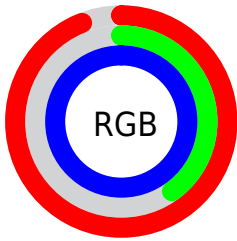
Format	Color
R _Y B	239, 102, 255
Decimal	15689471
CIE Lab	65.81, 72.44, -52.25
CIE LCh	66, 89.319, 324.196
Yxy	35.0735, 0.3045, 0.1829
Android (android.graphics.Color)	4293879551 (0xFFEF66FF)
YUV	160.4050, 46.6353, 68.9278
Hunter-Lab	59.2229, 72.3554, -56.9532

Details

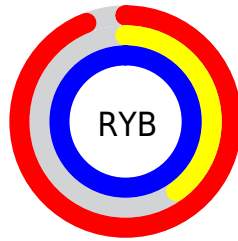
The Yxy color **35.0735, 0.3045, 0.1829** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.3334, 0.3107, 0.5197**, and the grayscale version is **35.1240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **15.1667, 0.2981, 0.1522** is the 20% darker color. If you saturate the color by 10%, you get **30.3475, 0.3021, 0.1656**, and if you desaturate by 10%, it is **41.3504, 0.3066, 0.2038**.

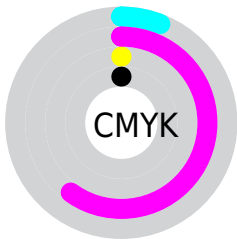
Distribution



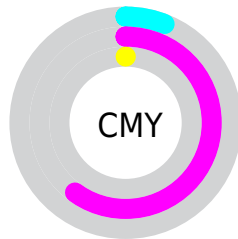
- Red (94%)
- Green (40%)
- Blue (100%)



- Red (94%)
- Yellow (40%)
- Blue (100%)



- Cyan (6%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0735, 0.3045, 0.1829 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 35.0735, 0.3045, 0.1829 by changing the saturation by 10% instead.


 35.0735, 0.3045,
0.1829


 35.0735, 0.3045,
0.1829


324.8926, 0.3120,
0.2481

 23.7195, 0.3019,
0.1690


 67.5996, 0.3079,
0.2048


 15.1257, 0.2981,
0.1524


 89.5405, 0.3090,
0.2136

 8.9076, 0.2927,
0.1326


 115.7792, 0.3098,
0.2212

 4.6810, 0.2845,
0.1086

 146.7000, 0.3105,
0.2279

 2.0613, 0.2714,
0.0800

182.6873, 0.3110,
0.2338

 0.6427, 0.2500,
0.0458

224.1256, 0.3114,

 0.0000, 0.2149,

0.2391

0.0000

271.3993, 0.3118,
0.2439

■ 0.0000, 0.1063,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.0735, 0.3045,
0.1829

■ 35.0735, 0.3045,
0.1829

■ 30.3475, 0.3021,
0.1656

■ 41.3504, 0.3066,
0.2038

■ 27.0212, 0.2995,
0.1526


■ 49.3014, 0.3085,
0.2274

■ 24.9215, 0.2969,
0.1441

■ 59.0430, 0.3100,
0.2527

■ 23.7632, 0.2942,
0.1394

■ 70.6795, 0.3112,
0.2786

 23.7621, 0.2942,
0.1394

 84.3074, 0.3121,
0.3042

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



35.0735, 0.1951, 0.1526



35.0735, 0.3045, 0.1829



35.0735, 0.4466, 0.2394

Triad

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



35.0735, 0.3045, 0.1829



35.0735, 0.4929, 0.4806



35.0735, 0.1198, 0.2772

Complementary

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



35.0735, 0.3045, 0.1829



76.3334, 0.3107, 0.5197

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.



35.0735, 0.1737, 0.4366



35.0735, 0.3045, 0.1829



35.0735, 0.3873, 0.5662

Square

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



35.0735, 0.3045, 0.1829



35.0735, 0.5611, 0.3900



35.0735, 0.2727, 0.5719



35.0735, 0.1095, 0.1865

Rectangle

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



35.0735, 0.3045, 0.1829



35.0735, 0.5258, 0.2863



35.0735, 0.2727, 0.5719



35.0735, 0.1322, 0.3239

Sweetspot

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



35.0750, 0.3045, 0.1829



73.2298, 0.3114, 0.2837



23.4488, 0.1999, 0.1551



14.8817, 0.3111, 0.2762



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.



35.0750, 0.3045, 0.1829



29.5716, 0.3016, 0.1626



34.7696, 0.3810, 0.2366



18.1981, 0.3121, 0.3055



12.4555, 0.2946, 0.1397



1.2394, 0.2978, 0.1414

Inverse Universe

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



32.0768, 0.4826, 0.3142



26.5664, 0.5371, 0.3144



76.9066, 0.2795, 0.4512



18.0180, 0.3278, 0.3265



11.1594, 0.6281, 0.3234



1.0963, 0.6061, 0.3113

Previews

White Background



This preview shows how the Yxy color 35.0735, 0.3045, 0.1829 looks on a white background.

Color Contrast Check

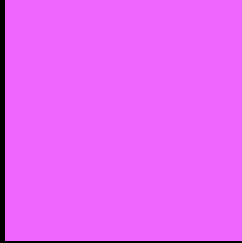
Large Text (above 18pt) WCAG AA × Fail

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 35.0735, 0.3045, 0.1829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

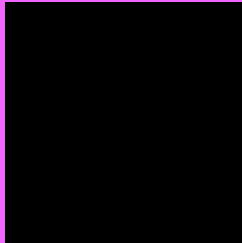
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.0735, 0.3045, 0.1829

Background



This preview shows how black text looks on a background with the Yxy color 35.0735, 0.3045, 0.1829.



This preview shows how white text looks on a background with the Yxy color 35.0735, 0.3045, 0.1829.

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

35.0735, 0.3045, 0.1829

Protanopia

35.3989, 0.2198, 0.2048

Deuteranopia

35.5857, 0.2235, 0.2177



Tritanopia

34.7658, 0.4054, 0.3174

Trichromacy



Original Color

35.0735, 0.3045, 0.1829



Protanomaly

33.0038, 0.2431, 0.1896



Deuteranomaly

32.9862, 0.2454, 0.1963

Tritanomaly

34.2028, 0.3659, 0.2594

Monochromacy



Original Color

35.0735, 0.3045, 0.1829



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.2242, 0.3101, 0.2571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0735, 0.3045, 0.1829 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(239, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 102, 255)  
}
```

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(239, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.0735, 0.3045, 0.1829 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(239, 102, 255) }
```

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

```
.border{ border-color:rgb(239, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0735, 0.3045, 0.1829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 102, 255) }
```

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

```
.background{ background-color: rgb(239,  
102, 255) }
```

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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