

Converting Colors

$Y_{xy}(35.0539, 0.3359, 0.1947)$

Have a look what the booklet for
Yxy(35.0539, 0.3359, 0.1947)
contains.

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Color

Yxy(35.0873, 0.3360, 0.1949)

Conversions

Conversions Part 1

Format	Color
Hex	FF5CEE
RGB	255, 92, 238
RGB Percent	100%, 36%, 93%
CMY	0.0001, 0.6390, 0.0668
CMYK	0.00, 0.64, 0.07, 0.00
HSL	306°, 100%, 68%
HSV	306°, 64%, 100%
XYZ	60.4891, 35.0873, 84.4508
YIQ	157.3810, 50.2820, 79.9620

Conversions

Conversions Part 2

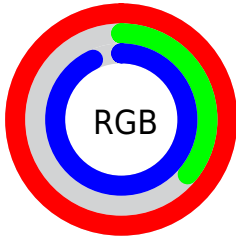
Format	Color
R _{YB}	255, 92, 238
Decimal	16735470
CIE _{Lab}	65.82, 77.42, -42.69
CIE _{LCh}	66, 88.414, 331.126
Yxy	35.0873, 0.3360, 0.1949
Android (android.graphics.Color)	4294925550 (0xFFFF5CEE)
YUV	157.3810, 39.7452, 85.6119
Hunter-Lab	59.2345, 78.6202, -43.0657

Details

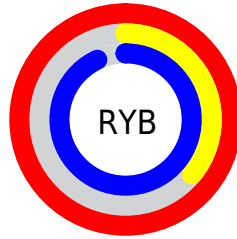
The Yxy color **35.0873, 0.3360, 0.1949** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **74.8870, 0.2971, 0.5183**, and the grayscale version is **33.7053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9365, 0.3174, 0.2293**, and **15.1966, 0.3383, 0.1655** is the 20% darker color. If you saturate the color by 10%, you get **31.2323, 0.3401, 0.1824**, and if you desaturate by 10%, it is **40.4339, 0.3318, 0.2114**.

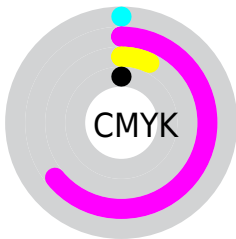
Distribution



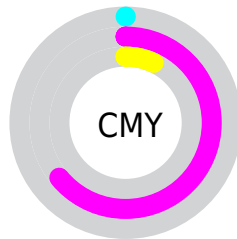
- Red (100%)
- Green (36%)
- Blue (93%)



- Red (100%)
- Yellow (36%)
- Blue (93%)



- Cyan (0%)
- Magenta (64%)
- Yellow (7%)
- Black (0%)



- Cyan (0%)
- Magenta (64%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0873, 0.3360, 0.1949 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 35.0873, 0.3360, 0.1949 by changing the saturation by 10% instead.


 35.0873, 0.3360,
0.1949


 35.0873, 0.3360,
0.1949


324.9535, 0.3274,
0.2557

 23.7301, 0.3373,
0.1817


 67.6210, 0.3335,
0.2155

 15.1336, 0.3386,
0.1657


 89.5663, 0.3324,
0.2237

 8.9132, 0.3396,
0.1463


 115.8098, 0.3314,
0.2308

 4.6846, 0.3398,
0.1224

 146.7358, 0.3305,
0.2370

 2.0634, 0.3382,
0.0929

182.7288, 0.3296,
0.2425

 0.6439, 0.3325,
0.0559

224.1732, 0.3288,

 0.0000, 0.3202,

0.2474

0.0000

271.4533, 0.3281,
0.2517

■ 0.0000, 0.2329,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.0873, 0.3360,
0.1949

■ 35.0873, 0.3360,
0.1949

■ 31.2323, 0.3401,
0.1824

■ 40.4339, 0.3318,
0.2114

■ 28.7079, 0.3440,
0.1742


■ 47.4014, 0.3277,
0.2309

■ 27.3253, 0.3476,
0.1706

■ 56.1109, 0.3238,
0.2525

■ 26.8770, 0.3497,
0.1700

■ 66.6706, 0.3201,
0.2751

 79.1798, 0.3168,
0.2980

 93.7308, 0.3138,
0.3205

99.9953, 0.3127,
0.3290

Harmonies

Analogous

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



35.0873, 0.2168, 0.1582



35.0873, 0.3360, 0.1949



35.0873, 0.4757, 0.2559

Triad

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



35.0873, 0.3360, 0.1949



35.0873, 0.4699, 0.5017



35.0873, 0.1155, 0.2508

Complementary

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



35.0873, 0.3360, 0.1949



74.8870, 0.2971, 0.5183

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.



35.0873, 0.1581, 0.3953



35.0873, 0.3360, 0.1949



35.0873, 0.3612, 0.5763

Square

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



35.0873, 0.3360, 0.1949



35.0873, 0.5490, 0.4100



35.0873, 0.2481, 0.5491



35.0873, 0.1134, 0.1757

Rectangle

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



35.0873, 0.3360, 0.1949



35.0873, 0.5426, 0.3039



35.0873, 0.2481, 0.5491



35.0873, 0.1245, 0.2913

Sweetspot

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



35.0890, 0.3360, 0.1949



72.5665, 0.3184, 0.2864



18.0902, 0.1968, 0.1267



14.7850, 0.3194, 0.2798



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.



35.0890, 0.3360, 0.1949



30.3218, 0.3413, 0.1793



31.3594, 0.4341, 0.2660



18.2658, 0.3154, 0.3080



14.0602, 0.3492, 0.1697



1.3780, 0.3455, 0.1677

Inverse Universe

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



35.0890, 0.3360, 0.1949



30.3218, 0.3413, 0.1793



77.4909, 0.2632, 0.4124



18.2658, 0.3154, 0.3080



14.0602, 0.3492, 0.1697



1.3780, 0.3455, 0.1677

Previews

White Background



This preview shows how the Yxy color 35.0873, 0.3360, 0.1949 looks on a white background.

Color Contrast Check

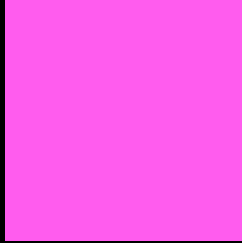
Large Text (above 18pt) WCAG AA × Fail

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 35.0873, 0.3360, 0.1949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

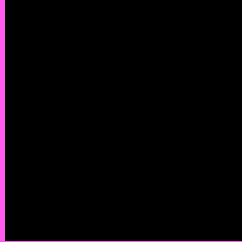
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.0873, 0.3360, 0.1949

Background



This preview shows how black text looks on a background with the Yxy color 35.0873, 0.3360, 0.1949.



This preview shows how white text looks on a background with the Yxy color 35.0873, 0.3360, 0.1949.

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

35.0873, 0.3360, 0.1949

Protanopia

35.3989, 0.2198, 0.2048

Deuteranopia

35.1507, 0.2425, 0.2362



Tritanopia

34.8593, 0.4430, 0.3208

Trichromacy



Original Color

35.0873, 0.3360, 0.1949



Protanomaly

32.1607, 0.2506, 0.1916



Deuteranomaly

32.4034, 0.2704, 0.2109



Tritanomaly

34.2648, 0.4029, 0.2685

Monochromacy



Original Color

35.0873, 0.3360, 0.1949



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

31.6577, 0.3233, 0.2608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0873, 0.3360, 0.1949 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, 92, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 238)  
}
```

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, 92, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 238) }
```

Border

The CSS property to change the border of an element to Yxy 35.0873, 0.3360, 0.1949 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, 92, 238) }
```

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

```
.border{ border-color:rgb(255, 92, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 92, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0873, 0.3360, 0.1949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 238) }
```

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

```
.background{ background-color: rgb(255, 92,  
238) }
```

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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