

Converting Colors

Yxy(35.5675, 0.3071, 0.1840)

Have a look what the booklet for
Yxy(35.5675, 0.3071, 0.1840)
contains.

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Color

Yxy(35.6000, 0.3073, 0.1841)

Conversions

Conversions Part 1

Format	Color
Hex	F266FF
RGB	242, 102, 255
RGB Percent	95%, 40%, 100%
CMY	0.0509, 0.6000, 0.0000
CMYK	0.05, 0.60, 0.00, 0.00
HSL	295°, 100%, 70%
HSV	295°, 60%, 100%
XYZ	59.4236, 35.6000, 98.3496
YIQ	161.3020, 34.3270, 77.2630

Conversions

Conversions Part 2

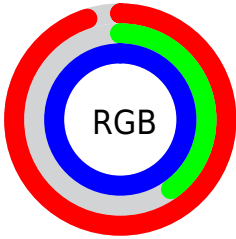
Format	Color
R _Y B	242, 102, 255
Decimal	15886079
CIE Lab	66.21, 73.17, -51.58
CIE LCh	66, 89.528, 324.818
Yxy	35.6000, 0.3073, 0.1841
Android (android.graphics.Color)	4294076159 (0xFFFF266FF)
YUV	161.3020, 46.1931, 70.7721
Hunter-Lab	59.6657, 73.3605, -55.9642

Details

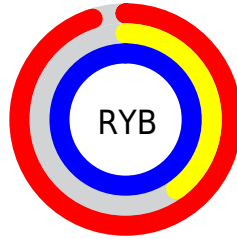
The Yxy color **35.6000, 0.3073, 0.1841** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.1222, 0.3093, 0.5206**, and the grayscale version is **35.5570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **15.5307, 0.3018, 0.1541** is the 20% darker color. If you saturate the color by 10%, you get **30.9565, 0.3055, 0.1672**, and if you desaturate by 10%, it is **41.7915, 0.3089, 0.2046**.

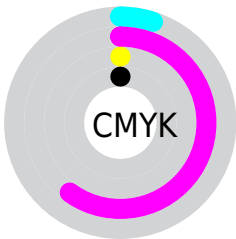
Distribution



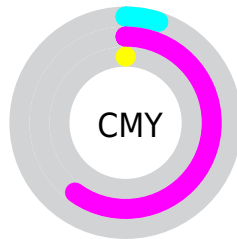
- Red (95%)
- Green (40%)
- Blue (100%)



- Red (95%)
- Yellow (40%)
- Blue (100%)



- Cyan (5%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6000, 0.3073, 0.1841 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 35.6000, 0.3073, 0.1841 by changing the saturation by 10% instead.


 35.6000, 0.3073,
0.1841


 35.6000, 0.3073,
0.1841


327.2088, 0.3134,
0.2487

 24.1254, 0.3050,
0.1703


 68.4142, 0.3101,
0.2058

 15.4267, 0.3017,
0.1539


 90.5227, 0.3110,
0.2145

 9.1194, 0.2969,
0.1342

 116.9445, 0.3117,
0.2220

 4.8191, 0.2894,
0.1105

 148.0642, 0.3122,
0.2286

 2.1415, 0.2775,
0.0820

184.2661, 0.3127,
0.2345

 0.6878, 0.2574,
0.0483

225.9345, 0.3130,

 0.0000, 0.2250,

0.2398

0.0000

273.4540, 0.3132,
0.2445

■ 0.0000, 0.1266,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.6000, 0.3073,
0.1841

■ 35.6000, 0.3073,
0.1841

■ 30.9565, 0.3055,
0.1672

■ 41.7915, 0.3089,
0.2046

■ 27.7104, 0.3035,
0.1546

■ 49.6549, 0.3101,
0.2279

■ 25.6883, 0.3014,
0.1465

■ 59.3062, 0.3112,
0.2529

■ 24.6048, 0.2993,
0.1422

■ 70.8500, 0.3119,
0.2787

 84.3828, 0.3124,
0.3042

99.9944, 0.3127,
0.3290

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.



35.6000, 0.1971, 0.1532



35.6000, 0.3073, 0.1841



35.6000, 0.4491, 0.2410

Triad

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



35.6000, 0.3073, 0.1841



35.6000, 0.4907, 0.4825



35.6000, 0.1195, 0.2747

Complementary

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



35.6000, 0.3073, 0.1841



76.1222, 0.3093, 0.5206

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.



35.6000, 0.1724, 0.4327



35.6000, 0.3073, 0.1841



35.6000, 0.3850, 0.5670

Square

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



35.6000, 0.3073, 0.1841



35.6000, 0.5599, 0.3918



35.6000, 0.2706, 0.5698



35.6000, 0.1100, 0.1856

Rectangle

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



35.6000, 0.3073, 0.1841



35.6000, 0.5272, 0.2880



35.6000, 0.2706, 0.5698



35.6000, 0.1316, 0.3209

Sweetspot

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



35.6013, 0.3073, 0.1841



73.3988, 0.3120, 0.2838



22.8351, 0.1992, 0.1520



14.9236, 0.3119, 0.2763



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.



35.6013, 0.3073, 0.1841



30.2017, 0.3051, 0.1644



34.6470, 0.3841, 0.2389



18.2174, 0.3124, 0.3055



12.8892, 0.2996, 0.1424



1.2771, 0.3022, 0.1438

Inverse Universe

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



31.9983, 0.4865, 0.3172



26.5053, 0.5419, 0.3175



76.9956, 0.2784, 0.4478



18.0121, 0.3281, 0.3270



11.1469, 0.6310, 0.3250



1.0935, 0.6122, 0.3146

Previews

White Background



This preview shows how the Yxy color 35.6000, 0.3073, 0.1841 looks on a white background.

Color Contrast Check

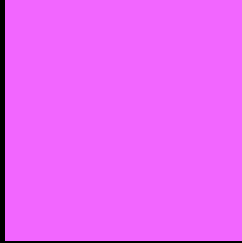
Large Text (above 18pt) WCAG AA × Fail

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 35.6000, 0.3073, 0.1841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

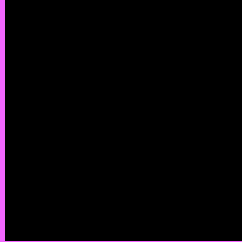
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.6000, 0.3073, 0.1841

Background



This preview shows how black text looks on a background with the Yxy color 35.6000, 0.3073, 0.1841.



This preview shows how white text looks on a background with the Yxy color 35.6000, 0.3073, 0.1841.

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

35.6000, 0.3073, 0.1841

Protanopia

35.8847, 0.2212, 0.2064

Deuteranopia

36.1473, 0.2254, 0.2195



Tritanopia

35.2522, 0.4085, 0.3176

Trichromacy



Original Color

35.6000, 0.3073, 0.1841



Protanomaly

33.5039, 0.2447, 0.1913



Deuteranomaly

33.5951, 0.2478, 0.1982

Tritanomaly

34.7034, 0.3690, 0.2602

Monochromacy



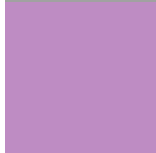
Original Color

35.6000, 0.3073, 0.1841



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

33.6434, 0.3110, 0.2586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6000, 0.3073, 0.1841 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(242, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 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(242, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.6000, 0.3073, 0.1841 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(242, 102, 255) }
```

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

```
.border{ border-color:rgb(242, 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(242, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6000, 0.3073, 0.1841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 102, 255) }
```

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

```
.background{ background-color: rgb(242,  
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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