

Converting Colors

$Y_{xy}(35.8545, 0.3196, 0.1820)$

Have a look what the booklet for
Yxy(35.8545, 0.3196, 0.1820)
contains.

Yxy(35.7923, 0.3196, 0.1817)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.7923, 0.3196, 0.1817)

Conversions

Conversions Part 1

Format	Color
Hex	FF5AFF
RGB	255, 90, 255
RGB Percent	100%, 35%, 100%
CMY	0.0000, 0.6472, 0.0000
CMYK	0.00, 0.65, 0.00, 0.00
HSL	300°, 100%, 68%
HSV	300°, 65%, 100%
XYZ	62.9566, 35.7923, 98.2368
YIQ	158.1450, 45.3750, 86.2950

Conversions

Conversions Part 2

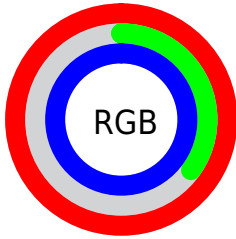
Format	Color
R _{YB}	255, 90, 255
Decimal	16734975
CIE Lab	66.36, 80.85, -51.26
CIE LCh	66, 95.725, 327.626
Yxy	35.7923, 0.3196, 0.1817
Android (android.graphics.Color)	4294925055 (0xFFFF5AFF)
YUV	158.1450, 47.7495, 84.9418
Hunter-Lab	59.8267, 83.1419, -55.4769

Details

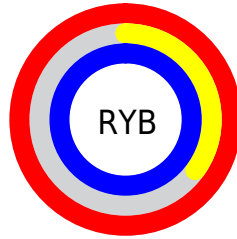
The Yxy color **35.7923, 0.3196, 0.1817** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **74.4299, 0.3029, 0.5390**, and the grayscale version is **34.0166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6132, 0.3174, 0.2284**, and **15.6793, 0.3171, 0.1521** is the 20% darker color. If you saturate the color by 10%, you get **32.2001, 0.3202, 0.1686**, and if you desaturate by 10%, it is **40.8492, 0.3188, 0.1989**.

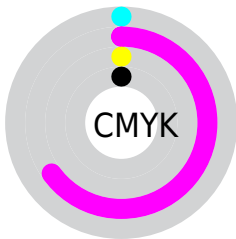
Distribution



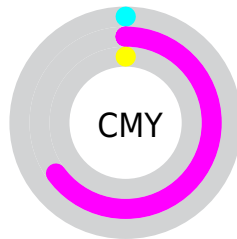
- Red (100%)
- Green (35%)
- Blue (100%)



- Red (100%)
- Yellow (35%)
- Blue (100%)



- Cyan (0%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.7923, 0.3196, 0.1817 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 35.7923, 0.3196, 0.1817 by changing the saturation by 10% instead.


 35.7923, 0.3196,
0.1817


 35.7923, 0.3196,
0.1817


328.0518, 0.3199,
0.2469

 24.2738, 0.3187,
0.1679


 68.7114, 0.3204,
0.2035

 15.5369, 0.3170,
0.1516


 90.8807, 0.3205,
0.2122

 9.1970, 0.3143,
0.1320


 117.3692, 0.3205,
0.2198

 4.8699, 0.3096,
0.1085

 148.5612, 0.3205,
0.2265

 2.1711, 0.3012,
0.0804

184.8410, 0.3203,
0.2325

 0.7042, 0.2861,
0.0476

226.5932, 0.3202,

 0.0000, 0.2608,

0.2378

0.0000

274.2020, 0.3200,
0.2426

0.0000, 0.1894,
0.0000

0.0000, 0.0000,
0.0000

35.7923, 0.3196,
0.1817

35.7923, 0.3196,
0.1817

32.2001, 0.3202,
0.1686

40.8492, 0.3188,
0.1989

29.9291, 0.3207,
0.1599


47.5212, 0.3179,
0.2195


28.7800, 0.3209,
0.1554

55.9240, 0.3168,
0.2426

28.4800, 0.3209,
0.1542

66.1666, 0.3156,
0.2673

 78.3489, 0.3144,
0.2925

 92.5639, 0.3133,
0.3175

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.



35.7923, 0.1993, 0.1473



35.7923, 0.3196, 0.1817



35.7923, 0.4711, 0.2423

Triad

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



35.7923, 0.3196, 0.1817



35.7923, 0.4863, 0.4949



35.7923, 0.1080, 0.2576

Complementary

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



35.7923, 0.3196, 0.1817



74.4299, 0.3029, 0.5390

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.



35.7923, 0.1563, 0.4218



35.7923, 0.3196, 0.1817



35.7923, 0.3728, 0.5856

Square

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



35.7923, 0.3196, 0.1817



35.7923, 0.5672, 0.3982



35.7923, 0.2542, 0.5807



35.7923, 0.1026, 0.1723

Rectangle

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



35.7923, 0.3196, 0.1817



35.7923, 0.5493, 0.2910



35.7923, 0.2542, 0.5807



35.7923, 0.1185, 0.3039

Sweetspot

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



35.7874, 0.3196, 0.1817



72.8879, 0.3149, 0.2817



16.6997, 0.1863, 0.1201



14.8640, 0.3153, 0.2745



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.



35.7874, 0.3196, 0.1817



31.3181, 0.3204, 0.1653



31.5647, 0.4139, 0.2494



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Inverse Universe

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



35.7874, 0.3196, 0.1817



31.3181, 0.3204, 0.1653



76.6895, 0.2701, 0.4364



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 35.7923, 0.3196, 0.1817 looks on a white background.

Color Contrast Check

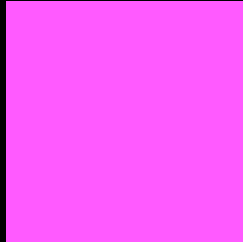
Large Text (above 18pt) WCAG AA × Fail

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 35.7923, 0.3196, 0.1817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

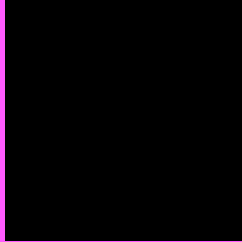
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7923, 0.3196, 0.1817

Background



This preview shows how black text looks on a background with the Yxy color 35.7923, 0.3196, 0.1817.



This preview shows how white text looks on a background with the Yxy color 35.7923, 0.3196, 0.1817.

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

35.7923, 0.3196, 0.1817

Protanopia

36.2272, 0.2214, 0.2077

Deuteranopia

36.1718, 0.2274, 0.2218



Tritanopia

35.3718, 0.4346, 0.3195

Trichromacy



Original Color

35.7923, 0.3196, 0.1817



Protanomaly

32.9281, 0.2479, 0.1882



Deuteranomaly

32.7013, 0.2529, 0.1958

Tritanomaly

34.6578, 0.3905, 0.2600

Monochromacy



Original Color

35.7923, 0.3196, 0.1817



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

31.9628, 0.3163, 0.2527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7923, 0.3196, 0.1817 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, 90, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 90, 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(255, 90, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 90, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.7923, 0.3196, 0.1817 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, 90, 255) }
```

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

```
.border{ border-color:rgb(255, 90, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 90, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 90, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 90, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 90,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7923, 0.3196, 0.1817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 90, 255) }
```

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

```
.background{ background-color: rgb(255, 90,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor