

Converting Colors

$Y_{xy}(36.0789, 0.3121, 0.1771)$

Have a look what the booklet for
Yxy(36.0789, 0.3121, 0.1771)
contains.

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Color

Yxy(35.7730, 0.3187, 0.1819)

Conversions

Conversions Part 1

Format	Color
Hex	FE5BFF
RGB	254, 91, 255
RGB Percent	100%, 36%, 100%
CMY	0.0037, 0.6433, 0.0000
CMYK	0.00, 0.64, 0.00, 0.00
HSL	300°, 100%, 68%
HSV	300°, 64%, 100%
XYZ	62.6765, 35.7730, 98.2135
YIQ	158.4330, 44.5040, 85.5600

Conversions

Conversions Part 2

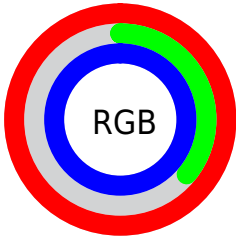
Format	Color
R _Y B	254, 91, 255
Decimal	16669695
CIE Lab	66.35, 80.26, -51.27
CIE LCh	66, 95.238, 327.433
Yxy	35.7730, 0.3187, 0.1819
Android (android.graphics.Color)	4294859775 (0xFFFE5BFF)
YUV	158.4330, 47.6075, 83.8123
Hunter-Lab	59.8105, 82.3848, -55.4914

Details

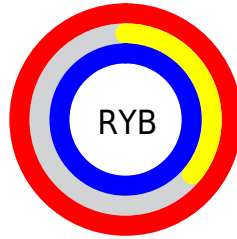
The Yxy color **35.7730, 0.3187, 0.1819** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **74.5454, 0.3033, 0.5376**, and the grayscale version is **34.1574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6132, 0.3174, 0.2284**, and **15.5900, 0.3159, 0.1517** is the 20% darker color. If you saturate the color by 10%, you get **32.1047, 0.3192, 0.1685**, and if you desaturate by 10%, it is **40.9239, 0.3181, 0.1994**.

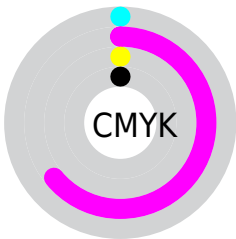
Distribution



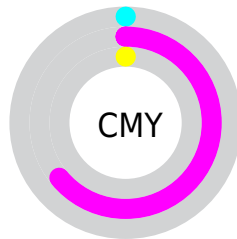
- Red (100%)
- Green (36%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7730, 0.3187, 0.1819 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 35.7730, 0.3187, 0.1819 by changing the saturation by 10% instead.


 35.7730, 0.3187,
0.1819


 35.7730, 0.3187,
0.1819


327.9673, 0.3194,
0.2470

 24.2589, 0.3177,
0.1681


 68.6816, 0.3197,
0.2037


 15.5258, 0.3159,
0.1518


 90.8448, 0.3198,
0.2124

 9.1892, 0.3130,
0.1322


 117.3266, 0.3199,
0.2200

 4.8648, 0.3081,
0.1086

 148.5113, 0.3198,
0.2267

 2.1682, 0.2995,
0.0805

184.7834, 0.3198,
0.2327

 0.7026, 0.2840,
0.0477

226.5271, 0.3197,

 0.0000, 0.2581,

0.2380

0.0000

274.1269, 0.3195,
0.2427

■ 0.0000, 0.1850,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.7730, 0.3187,
0.1819

■ 35.7730, 0.3187,
0.1819

■ 32.1047, 0.3192,
0.1685

■ 40.9239, 0.3181,
0.1994

■ 29.7580, 0.3194,
0.1595


■ 47.6889, 0.3173,
0.2202

■ 28.5418, 0.3195,
0.1547

■ 56.1890, 0.3163,
0.2435

■ 28.1995, 0.3194,
0.1533

■ 66.5329, 0.3153,
0.2682

 78.8203, 0.3142,
0.2935

 93.1439, 0.3132,
0.3184

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.



35.7730, 0.1992, 0.1477



35.7730, 0.3187, 0.1819



35.7730, 0.4695, 0.2423

Triad

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



35.7730, 0.3187, 0.1819



35.7730, 0.4867, 0.4940



35.7730, 0.1088, 0.2589

Complementary

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



35.7730, 0.3187, 0.1819



74.5454, 0.3033, 0.5376

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.



35.7730, 0.1575, 0.4226



35.7730, 0.3187, 0.1819



35.7730, 0.3737, 0.5841

Square

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



35.7730, 0.3187, 0.1819



35.7730, 0.5667, 0.3978



35.7730, 0.2554, 0.5799



35.7730, 0.1031, 0.1733

Rectangle

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



35.7730, 0.3187, 0.1819



35.7730, 0.5477, 0.2908



35.7730, 0.2554, 0.5799



35.7730, 0.1194, 0.3051

Sweetspot

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



35.7743, 0.3187, 0.1819



72.8344, 0.3147, 0.2816



17.3927, 0.1877, 0.1240



14.8509, 0.3150, 0.2744



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.



35.7743, 0.3187, 0.1819



31.3559, 0.3192, 0.1657



31.8582, 0.4094, 0.2471



18.2947, 0.3137, 0.3056



14.7373, 0.3195, 0.1534



1.4366, 0.3196, 0.1535

Inverse Universe

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



29.5062, 0.5227, 0.3288



24.6761, 0.5814, 0.3291



76.6536, 0.2714, 0.4394



17.9888, 0.3294, 0.3289



11.1112, 0.6395, 0.3296



1.0824, 0.6381, 0.3289

Previews

White Background



This preview shows how the Yxy color 35.7730, 0.3187, 0.1819 looks on a white background.

Color Contrast Check

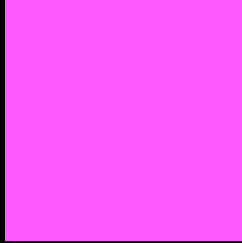
Large Text (above 18pt) WCAG AA × Fail

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 35.7730, 0.3187, 0.1819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

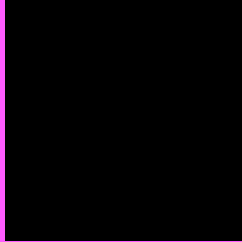
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7730, 0.3187, 0.1819

Background



This preview shows how black text looks on a background with the Yxy color 35.7730, 0.3187, 0.1819.



This preview shows how white text looks on a background with the Yxy color 35.7730, 0.3187, 0.1819.

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

35.7730, 0.3187, 0.1819

Protanopia

36.2272, 0.2214, 0.2077

Deuteranopia

36.2323, 0.2270, 0.2208



Tritanopia

35.4816, 0.4319, 0.3195

Trichromacy



Original Color

35.7730, 0.3187, 0.1819



Protanomaly

32.9281, 0.2479, 0.1882



Deuteranomaly

33.0436, 0.2524, 0.1961

Tritanomaly

34.7018, 0.3892, 0.2607

Monochromacy



Original Color

35.7730, 0.3187, 0.1819



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.2379, 0.3162, 0.2540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7730, 0.3187, 0.1819 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(254, 91, 255)` looks like.

```
.text, #text, p{  
    color:rgb(254, 91, 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(254, 91, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 91, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.7730, 0.3187, 0.1819 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(254, 91, 255) }
```

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

```
.border{ border-color:rgb(254, 91, 255) }
```

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

Here you see how a box with a 4 pixel rgb(254, 91, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 91, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 91, 255);  
box-shadow:4px 4px 4px 4px rgb(254, 91,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7730, 0.3187, 0.1819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 91, 255) }
```

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

```
.background{ background-color: rgb(254, 91,  
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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