

Converting Colors

Yxy(36.1806, 0.3214, 0.1849)

Have a look what the booklet for
Yxy(36.1806, 0.3214, 0.1849)
contains.

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Color

Yxy(36.1806, 0.3214, 0.1849)

Conversions

Conversions Part 1

Format	Color
Hex	FF5DFD
RGB	255, 93, 253
RGB Percent	100%, 36%, 99%
CMY	0.0000, 0.6354, 0.0078
CMYK	0.00, 0.64, 0.01, 0.00
HSL	301°, 100%, 68%
HSV	301°, 64%, 100%
XYZ	62.8905, 36.1806, 96.6055
YIQ	159.6780, 45.1920, 84.1040

Conversions

Conversions Part 2

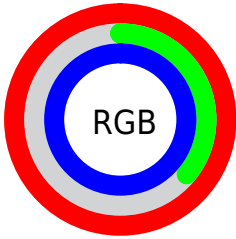
Format	Color
R _Y B	255, 93, 253
Decimal	16735741
CIE Lab	66.66, 79.41, -49.67
CIE LCh	67, 93.667, 327.977
Yxy	36.1806, 0.3214, 0.1849
Android (android.graphics.Color)	4294925821 (0xFFFF5DFD)
YUV	159.6780, 46.0077, 83.5974
Hunter-Lab	60.1503, 81.3685, -53.1186

Details

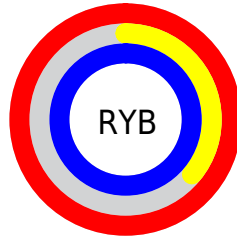
The Yxy color **36.1806, 0.3214, 0.1849** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **74.6720, 0.3024, 0.5333**, and the grayscale version is **34.7625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2625, 0.3174, 0.2302**, and **15.8270, 0.3196, 0.1552** is the 20% darker color. If you saturate the color by 10%, you get **32.4046, 0.3224, 0.1714**, and if you desaturate by 10%, it is **41.4435, 0.3202, 0.2024**.

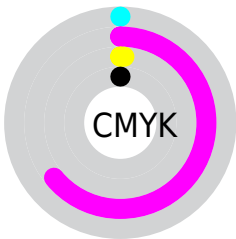
Distribution



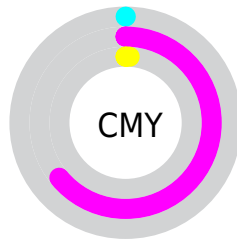
- Red (100%)
- Green (36%)
- Blue (99%)



- Red (100%)
- Yellow (36%)
- Blue (99%)



- Cyan (0%)
- Magenta (64%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (64%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1806, 0.3214, 0.1849 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 36.1806, 0.3214, 0.1849 by changing the saturation by 10% instead.


 36.1806, 0.3214,
0.1849


 36.1806, 0.3214,
0.1849


329.7492, 0.3206,
0.2489

 24.5737, 0.3207,
0.1713


 69.3107, 0.3218,
0.2063

 15.7597, 0.3195,
0.1551


 91.6028, 0.3218,
0.2149

 9.3543, 0.3172,
0.1357


 118.2253, 0.3216,
0.2224

 4.9730, 0.3132,
0.1122

 149.5627, 0.3215,
0.2290

 2.2314, 0.3057,
0.0841

185.9994, 0.3213,
0.2348

 0.7370, 0.2918,
0.0509

227.9198, 0.3211,

 0.0000, 0.2688,

0.2400

0.0000

275.7083, 0.3209,
0.2447

■ 0.0000, 0.1975,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.1806, 0.3214,
0.1849

■ 36.1806, 0.3214,
0.1849

■ 32.4046, 0.3224,
0.1714

■ 41.4435, 0.3202,
0.2024

■ 29.9674, 0.3232,
0.1622


■ 48.3340, 0.3189,
0.2232

■ 28.6778, 0.3238,
0.1573

■ 56.9687, 0.3174,
0.2464

■ 28.2799, 0.3241,
0.1559

■ 67.4555, 0.3160,
0.2709

 79.8933, 0.3146,
0.2959

 94.3744, 0.3132,
0.3205

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.



36.1806, 0.2027, 0.1505



36.1806, 0.3214, 0.1849



36.1806, 0.4690, 0.2451

Triad

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



36.1806, 0.3214, 0.1849



36.1806, 0.4835, 0.4948



36.1806, 0.1112, 0.2585

Complementary

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



36.1806, 0.3214, 0.1849



74.6720, 0.3024, 0.5333

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.



36.1806, 0.1590, 0.4174



36.1806, 0.3214, 0.1849



36.1806, 0.3721, 0.5811

Square

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



36.1806, 0.3214, 0.1849



36.1806, 0.5623, 0.3999



36.1806, 0.2553, 0.5724



36.1806, 0.1060, 0.1749

Rectangle

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



36.1806, 0.3214, 0.1849



36.1806, 0.5448, 0.2934



36.1806, 0.2553, 0.5724



36.1806, 0.1216, 0.3034

Sweetspot

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



36.1783, 0.3214, 0.1849



72.8496, 0.3153, 0.2822



17.3721, 0.1886, 0.1237



14.8546, 0.3158, 0.2751



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.



36.1783, 0.3214, 0.1849



31.6865, 0.3226, 0.1687



32.1415, 0.4112, 0.2503



18.2963, 0.3140, 0.3059



14.7786, 0.3240, 0.1559



1.4401, 0.3236, 0.1556

Inverse Universe

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



36.1783, 0.3214, 0.1849



31.6865, 0.3226, 0.1687



76.9020, 0.2704, 0.4341



18.2963, 0.3140, 0.3059



14.7786, 0.3240, 0.1559



1.4401, 0.3236, 0.1556

Previews

White Background



This preview shows how the Yxy color 36.1806, 0.3214, 0.1849 looks on a white background.

Color Contrast Check

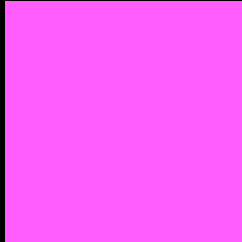
Large Text (above 18pt) WCAG AA × Fail

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 36.1806, 0.3214, 0.1849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

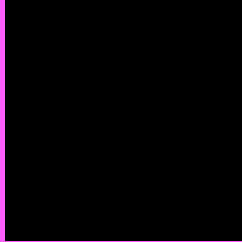
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.1806, 0.3214, 0.1849

Background



This preview shows how black text looks on a background with the Yxy color 36.1806, 0.3214, 0.1849.



This preview shows how white text looks on a background with the Yxy color 36.1806, 0.3214, 0.1849.

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

36.1806, 0.3214, 0.1849

Protanopia

36.3762, 0.2225, 0.2080

Deuteranopia

36.3362, 0.2296, 0.2232



Tritanopia

35.8621, 0.4327, 0.3185

Trichromacy



Original Color

36.1806, 0.3214, 0.1849



Protanomaly

33.2544, 0.2494, 0.1903



Deuteranomaly

33.1464, 0.2553, 0.1983



Tritanomaly

35.2903, 0.3910, 0.2622

Monochromacy



Original Color

36.1806, 0.3214, 0.1849



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.1055, 0.3172, 0.2558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1806, 0.3214, 0.1849 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, 93, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 93, 253)  
}
```

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, 93, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 93, 253) }
```

Border

The CSS property to change the border of an element to Yxy 36.1806, 0.3214, 0.1849 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, 93, 253) }
```

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

```
.border{ border-color:rgb(255, 93, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 93, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 93, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 93, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 93,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1806, 0.3214, 0.1849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 93, 253) }
```

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

```
.background{ background-color: rgb(255, 93,  
253) }
```

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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