

Converting Colors

$Y_{xy}(36.5922, 0.3145, 0.1953)$

Have a look what the booklet for
Yxy(36.5922, 0.3145, 0.1953)
contains.

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Color

Yxy(36.5299, 0.3143, 0.1950)

Conversions

Conversions Part 1

Format	Color
Hex	F26DF7
RGB	242, 109, 247
RGB Percent	95%, 43%, 97%
CMY	0.0509, 0.5726, 0.0315
CMYK	0.02, 0.56, 0.00, 0.03
HSL	298°, 90%, 70%
HSV	298°, 56%, 97%
XYZ	58.8787, 36.5299, 91.9242
YIQ	164.4990, 34.9700, 71.1140

Conversions

Conversions Part 2

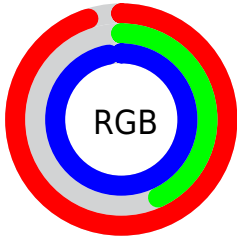
Format	Color
R _{YB}	242, 109, 247
Decimal	15887863
CIE _{Lab}	66.92, 68.80, -46.05
CIE _{LCh}	67, 82.795, 326.203
Yxy	36.5299, 0.3143, 0.1950
Android (android.graphics.Color)	4294077943 (0xFFFF26DF7)
YUV	164.4990, 40.6730, 67.9684
Hunter-Lab	60.4400, 68.1191, -47.8672

Details

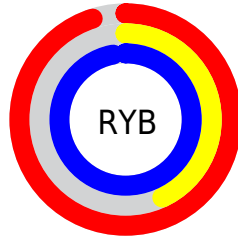
The Yxy color **36.5299, 0.3143, 0.1950** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **71.1848, 0.3066, 0.5082**, and the grayscale version is **37.1641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7524, 0.3168, 0.2422**, and **15.9816, 0.3113, 0.1663** is the 20% darker color. If you saturate the color by 10%, you get **31.8260, 0.3140, 0.1775**, and if you desaturate by 10%, it is **42.7176, 0.3144, 0.2159**.

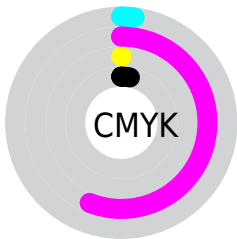
Distribution



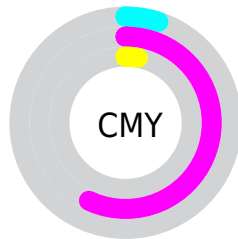
- Red (95%)
- Green (43%)
- Blue (97%)



- Red (95%)
- Yellow (43%)
- Blue (97%)



- Cyan (2%)
- Magenta (56%)
- Yellow (0%)
- Black (3%)





- Cyan (5%)
- Magenta (57%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5299, 0.3143, 0.1950 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 36.5299, 0.3143, 0.1950 by changing the saturation by 10% instead.


 36.5299, 0.3143,
0.1950


 36.5299, 0.3143,
0.1950


331.2707, 0.3165,
0.2555


 24.8437, 0.3130,
0.1819


 69.8492, 0.3157,
0.2155

 15.9607, 0.3111,
0.1661


 92.2511, 0.3160,
0.2236

 9.4963, 0.3080,
0.1469

 118.9936, 0.3162,
0.2307

 5.0663, 0.3029,
0.1234

150.4613, 0.3164,
0.2369

 2.2862, 0.2940,
0.0945

187.0385, 0.3165,
0.2423

 0.7664, 0.2780,
0.0595

229.1095, 0.3165,

 0.0000, 0.2526,

0.2472

0.0000

277.0588, 0.3165,
0.2516

■ 0.0000, 0.1433,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.5299, 0.3143,
0.1950

■ 36.5299, 0.3143,
0.1950

■ 31.8260, 0.3140,
0.1775

■ 42.7176, 0.3144,
0.2159

■ 28.4736, 0.3136,
0.1641


■ 50.4971, 0.3142,
0.2393


■ 26.3252, 0.3130,
0.1551

■ 59.9717, 0.3140,
0.2641

■ 25.1964, 0.3122,
0.1503


■ 71.2349, 0.3135,
0.2895


 24.9115, 0.3118,
0.1491

 84.3733, 0.3130,
0.3146

 98.0705, 0.3126,
0.3368

 98.2323, 0.3131,
0.3368

 98.3948, 0.3137,
0.3368

 98.5581, 0.3142,
0.3367

Harmonies

Analogous

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



36.5299, 0.2089, 0.1641



36.5299, 0.3143, 0.1950



36.5299, 0.4442, 0.2505

Triad

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



36.5299, 0.3143, 0.1950



36.5299, 0.4790, 0.4815



36.5299, 0.1302, 0.2756

Complementary

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



36.5299, 0.3143, 0.1950



71.1848, 0.3066, 0.5082

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.



36.5299, 0.1800, 0.4166



36.5299, 0.3143, 0.1950



36.5299, 0.3803, 0.5530

Square

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



36.5299, 0.3143, 0.1950



36.5299, 0.5427, 0.3969



36.5299, 0.2720, 0.5436



36.5299, 0.1216, 0.1935

Rectangle

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



36.5299, 0.3143, 0.1950



36.5299, 0.5140, 0.2960



36.5299, 0.2720, 0.5436



36.5299, 0.1417, 0.3171

Sweetspot

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



36.5315, 0.3143, 0.1950



75.0984, 0.3136, 0.2866



22.4302, 0.2058, 0.1574



15.5284, 0.3137, 0.2815



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.



36.5315, 0.3143, 0.1950



33.7001, 0.3140, 0.1756



34.2033, 0.3853, 0.2507



16.7362, 0.3132, 0.3056



13.1917, 0.3120, 0.1492



1.1687, 0.3132, 0.1499

Inverse Universe

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



31.9190, 0.4763, 0.3245



28.3669, 0.5294, 0.3245



72.7016, 0.2764, 0.4283



16.4921, 0.3288, 0.3282



10.4725, 0.6363, 0.3279



0.9238, 0.6269, 0.3227

Previews

White Background



This preview shows how the Yxy color 36.5299, 0.3143, 0.1950 looks on a white background.

Color Contrast Check

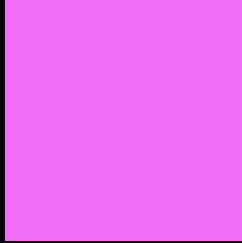
Large Text (above 18pt) WCAG AA × Fail

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 36.5299, 0.3143, 0.1950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

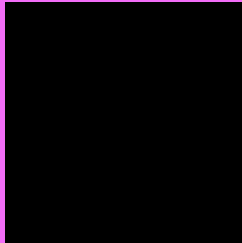
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5299, 0.3143, 0.1950

Background



This preview shows how black text looks on a background with the Yxy color 36.5299, 0.3143, 0.1950.



This preview shows how white text looks on a background with the Yxy color 36.5299, 0.3143, 0.1950.

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

36.5299, 0.3143, 0.1950

Protanopia

36.8736, 0.2238, 0.2096

Deuteranopia

36.9192, 0.2355, 0.2296



Tritanopia

36.5066, 0.4057, 0.3177

Trichromacy



Original Color

36.5299, 0.3143, 0.1950



Protanomaly

34.5130, 0.2491, 0.1979



Deuteranomaly

34.7665, 0.2586, 0.2105



Tritanomaly

35.8330, 0.3703, 0.2657

Monochromacy



Original Color

36.5299, 0.3143, 0.1950



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.0480, 0.3137, 0.2653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5299, 0.3143, 0.1950 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, 109, 247)` looks like.

```
.text, #text, p{  
    color:rgb(242, 109, 247)  
}
```

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, 109, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 109, 247) }
```

Border

The CSS property to change the border of an element to Yxy 36.5299, 0.3143, 0.1950 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, 109, 247) }
```

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

```
.border{ border-color:rgb(242, 109, 247) }
```

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

Here you see how a box with a 4 pixel rgb(242, 109, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 109, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 109, 247);  
box-shadow:4px 4px 4px 4px rgb(242, 109,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5299, 0.3143, 0.1950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 109, 247) }
```

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

```
.background{ background-color: rgb(242,  
109, 247) }
```

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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