

Converting Colors

Yxy(36.6320, 0.3097, 0.1888)

Have a look what the booklet for
Yxy(36.6320, 0.3097, 0.1888)
contains.

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Color

Yxy(36.5185, 0.3090, 0.1881)

Conversions

Conversions Part 1

Format	Color
Hex	F36AFE
RGB	243, 106, 254
RGB Percent	95%, 42%, 100%
CMY	0.0472, 0.5841, 0.0040
CMYK	0.04, 0.58, 0.00, 0.00
HSL	296°, 99%, 71%
HSV	296°, 58%, 100%
XYZ	59.9905, 36.5185, 97.6351
YIQ	163.8350, 34.1440, 75.0720

Conversions

Conversions Part 2

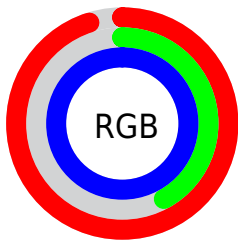
Format	Color
R _Y B	243, 106, 254
Decimal	15952638
CIE _{Lab}	66.91, 71.51, -49.91
CIE _{LCh}	67, 87.200, 325.088
Y _{xy}	36.5185, 0.3090, 0.1881
Android (android.graphics.Color)	4294142718 (0xFFFF36AFE)
YUV	163.8350, 44.4513, 69.4277
Hunter-Lab	60.4305, 71.4468, -53.4910

Details

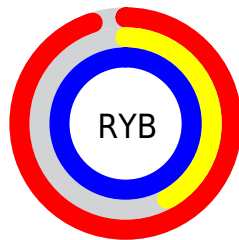
The Yxy color **36.5185, 0.3090, 0.1881** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.6997, 0.3088, 0.5151**, and the grayscale version is **36.8221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0309, 0.3169, 0.2403**, and **16.0229, 0.3042, 0.1585** is the 20% darker color. If you saturate the color by 10%, you get **31.6998, 0.3076, 0.1707**, and if you desaturate by 10%, it is **42.8937, 0.3102, 0.2090**.

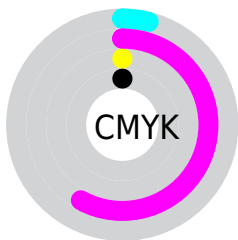
Distribution



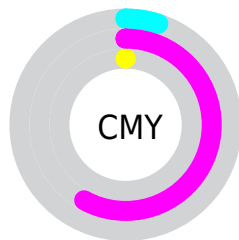
- Red (95%)
- Green (42%)
- Blue (100%)



- Red (95%)
- Yellow (42%)
- Blue (100%)



- Cyan (4%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5185, 0.3090, 0.1881 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 36.5185, 0.3090, 0.1881 by changing the saturation by 10% instead.


 36.5185, 0.3090,
0.1881


 36.5185, 0.3090,
0.1881


331.2212, 0.3141,
0.2510

 24.8349, 0.3070,
0.1746


 69.8316, 0.3114,
0.2093

 15.9541, 0.3041,
0.1586


 92.2299, 0.3122,
0.2177

 9.4917, 0.2998,
0.1392


 118.9686, 0.3128,
0.2251

 5.0633, 0.2931,
0.1157

 150.4320, 0.3132,
0.2315

 2.2844, 0.2821,
0.0872

187.0046, 0.3135,
0.2373

 0.7654, 0.2635,
0.0537

229.0707, 0.3138,

 0.0000, 0.2341,

0.2424

0.0000

277.0148, 0.3139,
0.2469

■ 0.0000, 0.1405,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.5185, 0.3090,
0.1881

■ 36.5185, 0.3090,
0.1881

■ 31.6998, 0.3076,
0.1707

■ 42.8937, 0.3102,
0.2090

■ 28.2913, 0.3059,
0.1576


■ 50.9445, 0.3112,
0.2325


■ 26.1277, 0.3041,
0.1489

■ 60.7843, 0.3119,
0.2576

■ 24.9785, 0.3022,
0.1443

■ 72.5150, 0.3124,
0.2832

 24.8249, 0.3019,
0.1437

 86.2308, 0.3126,
0.3087

99.8042, 0.3129,
0.3300

99.9344, 0.3133,
0.3300

Harmonies

Analogous

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



36.5185, 0.2011, 0.1575



36.5185, 0.3090, 0.1881



36.5185, 0.4459, 0.2442

Triad

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



36.5185, 0.3090, 0.1881



36.5185, 0.4869, 0.4815



36.5185, 0.1241, 0.2762

Complementary

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



36.5185, 0.3090, 0.1881



75.6997, 0.3088, 0.5151

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.



36.5185, 0.1762, 0.4275



36.5185, 0.3090, 0.1881



36.5185, 0.3842, 0.5610

Square

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



36.5185, 0.3090, 0.1881



36.5185, 0.5533, 0.3933



36.5185, 0.2723, 0.5597



36.5185, 0.1146, 0.1893

Rectangle

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



36.5185, 0.3090, 0.1881



36.5185, 0.5210, 0.2906



36.5185, 0.2723, 0.5597



36.5185, 0.1361, 0.3206

Sweetspot

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



36.5201, 0.3090, 0.1881



74.7845, 0.3124, 0.2864



23.2688, 0.2020, 0.1548



15.4533, 0.3123, 0.2813



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.



36.5201, 0.3090, 0.1881



31.2814, 0.3073, 0.1681



35.2072, 0.3840, 0.2433



18.2274, 0.3126, 0.3055



13.1191, 0.3022, 0.1439



1.2971, 0.3045, 0.1451

Inverse Universe

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



32.6724, 0.4805, 0.3188



27.2329, 0.5350, 0.3189



76.7536, 0.2778, 0.4403



18.0090, 0.3283, 0.3273



11.1412, 0.6323, 0.3257



1.0920, 0.6154, 0.3164

Previews

White Background



This preview shows how the Yxy color 36.5185, 0.3090, 0.1881 looks on a white background.

Color Contrast Check

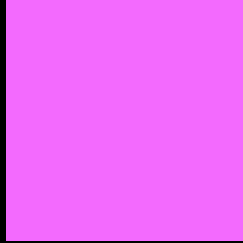
Large Text (above 18pt) WCAG AA × Fail

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 36.5185, 0.3090, 0.1881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

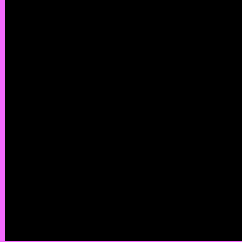
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5185, 0.3090, 0.1881

Background



This preview shows how black text looks on a background with the Yxy color 36.5185, 0.3090, 0.1881.



This preview shows how white text looks on a background with the Yxy color 36.5185, 0.3090, 0.1881.

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

36.5185, 0.3090, 0.1881

Protanopia

36.7972, 0.2233, 0.2095

Deuteranopia

36.8079, 0.2289, 0.2226



Tritanopia

36.3417, 0.4047, 0.3176

Trichromacy



Original Color

36.5185, 0.3090, 0.1881



Protanomaly

34.4112, 0.2472, 0.1943



Deuteranomaly

34.5583, 0.2517, 0.2024

Tritanomaly

35.6624, 0.3683, 0.2626

Monochromacy



Original Color

36.5185, 0.3090, 0.1881



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.0136, 0.3120, 0.2608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5185, 0.3090, 0.1881 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(243, 106, 254)` looks like.

```
.text, #text, p{  
    color:rgb(243, 106, 254)  
}
```

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(243, 106, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 106, 254) }
```

Border

The CSS property to change the border of an element to Yxy 36.5185, 0.3090, 0.1881 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(243, 106, 254) }
```

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

```
.border{ border-color:rgb(243, 106, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 106, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 106, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 106, 254);  
box-shadow:4px 4px 4px 4px rgb(243, 106,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5185, 0.3090, 0.1881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 106, 254) }
```

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

```
.background{ background-color: rgb(243,  
106, 254) }
```

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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