

Converting Colors

$Y_{xy}(36.4130, 0.2828, 0.1578)$

Have a look what the booklet for
Yxy(36.4130, 0.2828, 0.1578)
contains.

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Color

Yxy(34.1146, 0.3102, 0.1780)

Conversions

Conversions Part 1

Format	Color
Hex	F55BFF
RGB	245, 91, 255
RGB Percent	96%, 36%, 100%
CMY	0.0392, 0.6432, 0.0000
CMYK	0.04, 0.64, 0.00, 0.00
HSL	296°, 100%, 68%
HSV	296°, 64%, 100%
XYZ	59.4514, 34.1146, 98.0891
YIQ	155.7420, 39.1400, 83.6520

Conversions

Conversions Part 2

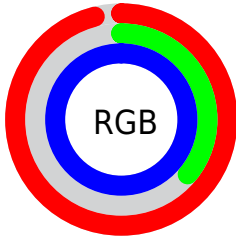
Format	Color
R _{YB}	245, 91, 255
Decimal	16079871
CIE Lab	65.05, 78.24, -53.41
CIE LCh	65, 94.732, 325.679
Yxy	34.1146, 0.3102, 0.1780
Android (android.graphics.Color)	4294269951 (0xFFFF55BFF)
YUV	155.7420, 48.9342, 78.2793
Hunter-Lab	58.4077, 79.4762, -58.6854

Details

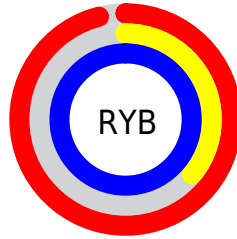
The Yxy color **34.1146, 0.3102, 0.1780** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **75.0416, 0.3069, 0.5354**, and the grayscale version is **32.8882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6132, 0.3174, 0.2284**, and **14.6086, 0.3044, 0.1467** is the 20% darker color. If you saturate the color by 10%, you get **30.1917, 0.3091, 0.1635**, and if you desaturate by 10%, it is **39.5185, 0.3112, 0.1966**.

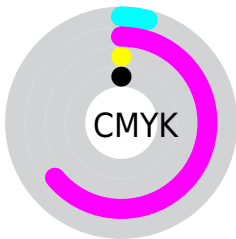
Distribution



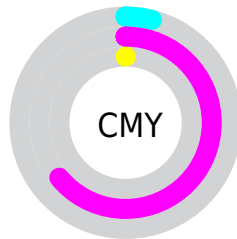
- Red (96%)
- Green (36%)
- Blue (100%)



- Red (96%)
- Yellow (36%)
- Blue (100%)



- Cyan (4%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1146, 0.3102, 0.1780 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 34.1146, 0.3102, 0.1780 by changing the saturation by 10% instead.

 34.1146, 0.3102,
0.1780


 34.1146, 0.3102,
0.1780


320.6427, 0.3152,
0.2451


 22.9817, 0.3081,
0.1638


 66.1118, 0.3127,
0.2005


 14.5800, 0.3050,
0.1470


 87.7449, 0.3135,
0.2094

 8.5251, 0.3003,
0.1268


 113.6468, 0.3140,
0.2173

 4.4328, 0.2929,
0.1027

 144.2020, 0.3145,
0.2242

 1.9185, 0.2809,
0.0743

179.7948, 0.3148,
0.2303

 0.5594, 0.2611,
0.0398

220.8095, 0.3150,

 0.0000, 0.2265,

0.2358

0.0000

267.6307, 0.3151,
0.2407

■ 0.0000, 0.1282,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.1146, 0.3102,
0.1780

■ 34.1146, 0.3102,
0.1780

■ 30.1917, 0.3091,
0.1635

■ 39.5185, 0.3112,
0.1966

■ 27.5951, 0.3077,
0.1533


■ 46.5410, 0.3119,
0.2184


■ 26.1316, 0.3062,
0.1475

■ 55.3012, 0.3124,
0.2425

■ 25.6495, 0.3054,
0.1456

■ 65.9076, 0.3127,
0.2677

 78.4601, 0.3128,
0.2933

 93.0512, 0.3128,
0.3185

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.



34.1146, 0.1928, 0.1454



34.1146, 0.3102, 0.1780



34.1146, 0.4625, 0.2374

Triad

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



34.1146, 0.3102, 0.1780



34.1146, 0.4934, 0.4885



34.1146, 0.1088, 0.2654

Complementary

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



34.1146, 0.3102, 0.1780



75.0416, 0.3069, 0.5354

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.



34.1146, 0.1605, 0.4349



34.1146, 0.3102, 0.1780



34.1146, 0.3804, 0.5823

Square

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



34.1146, 0.3102, 0.1780



34.1146, 0.5713, 0.3923



34.1146, 0.2612, 0.5879



34.1146, 0.1012, 0.1751

Rectangle

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



34.1146, 0.3102, 0.1780



34.1146, 0.5447, 0.2858



34.1146, 0.2612, 0.5879



34.1146, 0.1203, 0.3138

Sweetspot

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



34.1138, 0.3102, 0.1780



72.3319, 0.3128, 0.2814



18.9326, 0.1897, 0.1325



14.7273, 0.3128, 0.2740



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.



34.1138, 0.3102, 0.1780



29.3717, 0.3087, 0.1603



32.1991, 0.3986, 0.2394



18.2407, 0.3128, 0.3055



13.4266, 0.3056, 0.1457



1.3237, 0.3075, 0.1468

Inverse Universe

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



29.6808, 0.5114, 0.3207



24.8022, 0.5697, 0.3218



76.3548, 0.2750, 0.4506



18.0050, 0.3285, 0.3276



11.1345, 0.6339, 0.3266



1.0901, 0.6197, 0.3188

Previews

White Background



This preview shows how the Yxy color 34.1146, 0.3102, 0.1780 looks on a white background.

Color Contrast Check

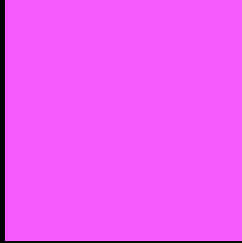
Large Text (above 18pt) WCAG AA × Fail

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 34.1146, 0.3102, 0.1780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

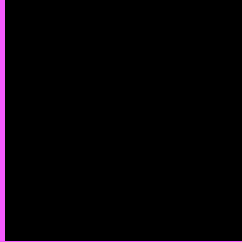
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1146, 0.3102, 0.1780

Background



This preview shows how black text looks on a background with the Yxy color 34.1146, 0.3102, 0.1780.



This preview shows how white text looks on a background with the Yxy color 34.1146, 0.3102, 0.1780.

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

34.1146, 0.3102, 0.1780

Protanopia

34.4446, 0.2172, 0.2016

Deuteranopia

34.5628, 0.2212, 0.2154



Tritanopia

33.7793, 0.4218, 0.3190

Trichromacy



Original Color

34.1146, 0.3102, 0.1780



Protanomaly

31.6150, 0.2423, 0.1841



Deuteranomaly

31.5089, 0.2452, 0.1914



Original Color

34.1146, 0.3102, 0.1780



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

30.9997, 0.3122, 0.2514

Monochromacy

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1146, 0.3102, 0.1780 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(245, 91, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 91, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 91, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.1146, 0.3102, 0.1780 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(245, 91, 255) }
```

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

```
.border{ border-color:rgb(245, 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(245, 91, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 91, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 91, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 91,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1146, 0.3102, 0.1780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 91, 255) }
```

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

```
.background{ background-color: rgb(245, 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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