

Converting Colors

$Y_{xy}(34.3029, 0.3169, 0.1889)$

Have a look what the booklet for
Yxy(34.3029, 0.3169, 0.1889)
contains.

Yxy(34.2052, 0.3164, 0.1883)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.2052, 0.3164, 0.1883)

Conversions

Conversions Part 1

Format	Color
Hex	F262F5
RGB	242, 98, 245
RGB Percent	95%, 38%, 96%
CMY	0.0509, 0.6158, 0.0391
CMYK	0.01, 0.60, 0.00, 0.04
HSL	299°, 88%, 67%
HSV	299°, 60%, 96%
XYZ	57.4749, 34.2052, 89.9726
YIQ	157.8140, 38.6370, 76.2450

Conversions

Conversions Part 2

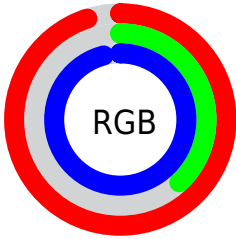
Format	Color
R _Y B	242, 98, 245
Decimal	15885045
CIE Lab	65.13, 73.14, -47.81
CIE LCh	65, 87.376, 326.829
Yxy	34.2052, 0.3164, 0.1883
Android (android.graphics.Color)	4294075125 (0xFF F262 F5)
YUV	157.8140, 42.9827, 73.8311
Hunter-Lab	58.4852, 73.0674, -50.2710

Details

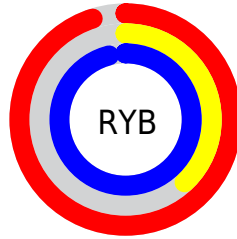
The Yxy color **34.2052, 0.3164, 0.1883** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **68.9619, 0.3049, 0.5227**, and the grayscale version is **33.8904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2569, 0.3172, 0.2329**, and **14.6781, 0.3140, 0.1584** is the 20% darker color. If you saturate the color by 10%, you get **30.2152, 0.3165, 0.1728**, and if you desaturate by 10%, it is **39.6011, 0.3161, 0.2076**.

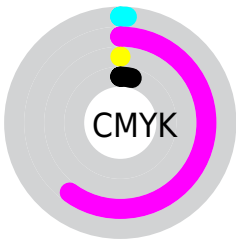
Distribution



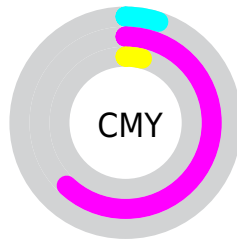
- Red (95%)
- Green (38%)
- Blue (96%)



- Red (95%)
- Yellow (38%)
- Blue (96%)



- Cyan (1%)
- Magenta (60%)
- Yellow (0%)
- Black (4%)





- Cyan (5%)
- Magenta (62%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2052, 0.3164, 0.1883 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 34.2052, 0.3164, 0.1883 by changing the saturation by 10% instead.


 34.2052, 0.3164,
0.1883


 34.2052, 0.3164,
0.1883


321.0461, 0.3179,
0.2518


 23.0513, 0.3152,
0.1745


 66.2526, 0.3176,
0.2098


 14.6314, 0.3133,
0.1581


 87.9150, 0.3178,
0.2183

 8.5611, 0.3101,
0.1381


 113.8489, 0.3180,
0.2258

 4.4560, 0.3048,
0.1138

 144.4388, 0.3180,
0.2323

 1.9318, 0.2955,
0.0843

180.0690, 0.3180,
0.2380

 0.5674, 0.2789,
0.0470

221.1241, 0.3180,

 0.0000, 0.2481,

0.2431

0.0000

267.9883, 0.3180,
0.2477

0.0000, 0.1162,
0.0000

0.0000, 0.0000,
0.0000

34.2052, 0.3164,
0.1883

34.2052, 0.3164,
0.1883

30.2152, 0.3165,
0.1728

39.6011, 0.3161,
0.2076

27.4938, 0.3164,
0.1615

46.5144, 0.3156,
0.2298

25.8845, 0.3162,
0.1546


55.0504, 0.3150,
0.2540


25.1242, 0.3158,
0.1513


65.3039, 0.3143,
0.2791

 77.3626, 0.3135,
0.3044

 91.3079, 0.3127,
0.3290

 97.6190, 0.3126,
0.3387

 97.7090, 0.3129,
0.3387

 97.7993, 0.3132,
0.3387

Harmonies

Analogous

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



34.2052, 0.2039, 0.1557



34.2052, 0.3164, 0.1883



34.2052, 0.4567, 0.2463

Triad

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



34.2052, 0.3164, 0.1883



34.2052, 0.4835, 0.4882



34.2052, 0.1192, 0.2674

Complementary

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



34.2052, 0.3164, 0.1883



68.9619, 0.3049, 0.5227

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.



34.2052, 0.1687, 0.4199



34.2052, 0.3164, 0.1883



34.2052, 0.3776, 0.5688

Square

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



34.2052, 0.3164, 0.1883



34.2052, 0.5552, 0.3977



34.2052, 0.2640, 0.5616



34.2052, 0.1121, 0.1832

Rectangle

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



34.2052, 0.3164, 0.1883



34.2052, 0.5308, 0.2935



34.2052, 0.2640, 0.5616



34.2052, 0.1303, 0.3114

Sweetspot

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



34.2067, 0.3164, 0.1883



73.9532, 0.3141, 0.2841



18.8660, 0.1969, 0.1409



15.0611, 0.3144, 0.2767



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.



34.2067, 0.3164, 0.1883



32.3356, 0.3165, 0.1700



31.2976, 0.3964, 0.2486



16.7501, 0.3135, 0.3057



13.5406, 0.3159, 0.1514



1.1955, 0.3165, 0.1517

Inverse Universe

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



29.0862, 0.4984, 0.3267



26.3274, 0.5563, 0.3270



70.6860, 0.2739, 0.4337



16.4880, 0.3291, 0.3286



10.4662, 0.6379, 0.3288



0.9218, 0.6325, 0.3258

Previews

White Background



This preview shows how the Yxy color 34.2052, 0.3164, 0.1883 looks on a white background.

Color Contrast Check

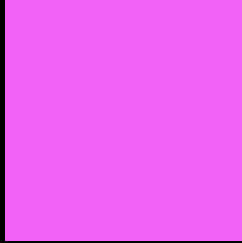
Large Text (above 18pt) WCAG AA × Fail

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 34.2052, 0.3164, 0.1883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

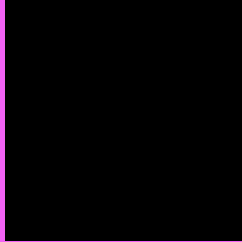
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.2052, 0.3164, 0.1883

Background



This preview shows how black text looks on a background with the Yxy color 34.2052, 0.3164, 0.1883.



This preview shows how white text looks on a background with the Yxy color 34.2052, 0.3164, 0.1883.

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

34.2052, 0.3164, 0.1883

Protanopia

34.5142, 0.2177, 0.2018

Deuteranopia

34.3972, 0.2309, 0.2246



Tritanopia

33.9313, 0.4178, 0.3177

Trichromacy



Original Color

34.2052, 0.3164, 0.1883



Protanomaly

31.8018, 0.2442, 0.1892



Deuteranomaly

32.0558, 0.2550, 0.2028



Tritanomaly

33.3893, 0.3794, 0.2627

Monochromacy



Original Color

34.2052, 0.3164, 0.1883



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.1448, 0.3150, 0.2590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2052, 0.3164, 0.1883 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, 98, 245)` looks like.

```
.text, #text, p{  
    color:rgb(242, 98, 245)  
}
```

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, 98, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 98, 245) }
```

Border

The CSS property to change the border of an element to Yxy 34.2052, 0.3164, 0.1883 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, 98, 245) }
```

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

```
.border{ border-color:rgb(242, 98, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 98, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 98, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 98, 245);  
box-shadow:4px 4px 4px 4px rgb(242, 98,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2052, 0.3164, 0.1883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 98, 245) }
```

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

```
.background{ background-color: rgb(242, 98,  
245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor