

Converting Colors

$Y_{xy}(34.1039, 0.3425, 0.2144)$

Have a look what the booklet for
Yxy(34.1039, 0.3425, 0.2144)
contains.

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Color

Yxy(34.0949, 0.3419, 0.2141)

Conversions

Conversions Part 1

Format	Color
Hex	F269DB
RGB	242, 105, 219
RGB Percent	95%, 41%, 86%
CMY	0.0511, 0.5881, 0.1413
CMYK	0.00, 0.57, 0.10, 0.05
HSL	310°, 84%, 68%
HSV	310°, 57%, 95%
XYZ	54.4467, 34.0949, 70.7059
YIQ	158.9590, 45.0580, 64.4980

Conversions

Conversions Part 2

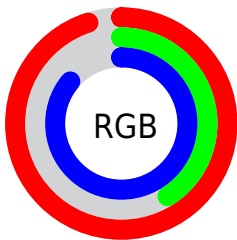
Format	Color
R _Y B	242, 105, 219
Decimal	15886811
CIE Lab	65.04, 65.95, -33.47
CIE LCh	65, 73.961, 333.092
Yxy	34.0949, 0.3419, 0.2141
Android (android.graphics.Color)	4294076891 (0xFFFF269DB)
YUV	158.9590, 29.6002, 72.8270
Hunter-Lab	58.3908, 64.2590, -30.9211

Details

The Yxy color **34.0949, 0.3419, 0.2141** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **68.0573, 0.2943, 0.4829**, and the grayscale version is **34.5025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3207, 0.3170, 0.2384**, and **14.6244, 0.3469, 0.1868** is the 20% darker color. If you saturate the color by 10%, you get **29.6354, 0.3484, 0.1994**, and if you desaturate by 10%, it is **39.9649, 0.3356, 0.2320**.

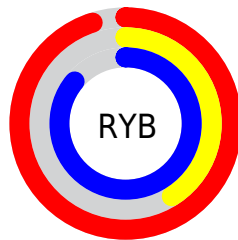
Distribution



Red (95%)

Green (41%)

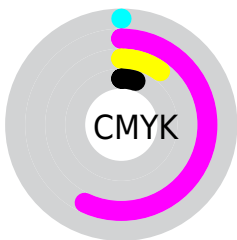
Blue (86%)



Red (95%)

Yellow (41%)

Blue (86%)

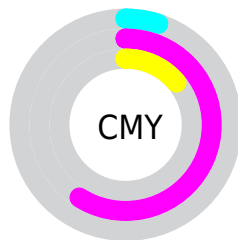


Cyan (0%)

Magenta (57%)

Yellow (10%)

Black (5%)



Cyan (5%)


Magenta (59%)


Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0949, 0.3419, 0.2141 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 34.0949, 0.3419, 0.2141 by changing the saturation by 10% instead.


 34.0949, 0.3419,
0.2141


 34.0949, 0.3419,
0.2141


320.5550, 0.3293,
0.2679

 22.9665, 0.3444,
0.2019


 66.0812, 0.3378,
0.2328


 14.5688, 0.3474,
0.1868


 87.7079, 0.3361,
0.2401

 8.5173, 0.3507,
0.1680

 113.6029, 0.3346,
0.2463

 4.4277, 0.3544,
0.1441

 144.1505, 0.3333,
0.2518

 1.9156, 0.3578,
0.1131

179.7351, 0.3321,
0.2566

 0.5577, 0.3609,
0.0689

220.7411, 0.3311,

 0.0000, 0.3610,

0.2608

0.0000

267.5530, 0.3302,
0.2646

■ 0.0000, 0.0623,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.0949, 0.3419,
0.2141

■ 34.0949, 0.3419,
0.2141

■ 29.6354, 0.3484,
0.1994

■ 39.9649, 0.3356,
0.2320

■ 26.4591, 0.3550,
0.1887


■ 47.3487, 0.3297,
0.2520


■ 24.4242, 0.3614,
0.1825

■ 56.3455, 0.3243,
0.2731


■ 23.3502, 0.3675,
0.1808

■ 67.0447, 0.3194,
0.2945


 23.1056, 0.3695,
0.1809

 79.5291, 0.3152,
0.3156

 93.8761, 0.3115,
0.3358

 97.1357, 0.3090,
0.3364

 97.3901, 0.3067,
0.3324

 97.6137, 0.3047,
0.3290

Harmonies

Analogous

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



34.0949, 0.2359, 0.1787



34.0949, 0.3419, 0.2141



34.0949, 0.4582, 0.2711

Triad

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



34.0949, 0.3419, 0.2141



34.0949, 0.4518, 0.4920



34.0949, 0.1370, 0.2590

Complementary

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



34.0949, 0.3419, 0.2141



68.0573, 0.2943, 0.4829

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.



34.0949, 0.1758, 0.3772



34.0949, 0.3419, 0.2141



34.0949, 0.3563, 0.5420

Square

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



34.0949, 0.3419, 0.2141



34.0949, 0.5188, 0.4148



34.0949, 0.2554, 0.5035



34.0949, 0.1357, 0.1932

Rectangle

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



34.0949, 0.3419, 0.2141



34.0949, 0.5125, 0.3162



34.0949, 0.2554, 0.5035



34.0949, 0.1454, 0.2929

Sweetspot

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



34.0965, 0.3419, 0.2141



74.9318, 0.3196, 0.2935



21.0979, 0.2178, 0.1534



15.4887, 0.3206, 0.2892



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.



34.0965, 0.3419, 0.2141



32.7178, 0.3495, 0.1974



31.2078, 0.4250, 0.2809



15.9831, 0.3164, 0.3096



12.4326, 0.3685, 0.1804



1.0462, 0.3612, 0.1763

Inverse Universe

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



34.0965, 0.3419, 0.2141



32.7178, 0.3495, 0.1974



70.4982, 0.2620, 0.3882



15.9831, 0.3164, 0.3096



12.4326, 0.3685, 0.1804



1.0462, 0.3612, 0.1763

Previews

White Background



This preview shows how the Yxy color 34.0949, 0.3419, 0.2141 looks on a white background.

Color Contrast Check

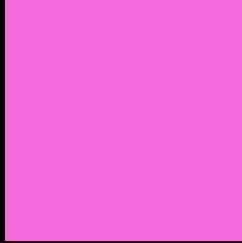
Large Text (above 18pt) WCAG AA × Fail

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 34.0949, 0.3419, 0.2141 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 34.0949, 0.3419, 0.2141

Background



This preview shows how black text looks on a background with the Yxy color 34.0949, 0.3419, 0.2141.

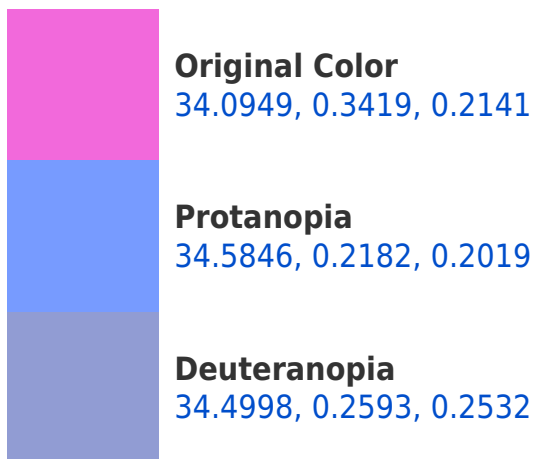


This preview shows how white text looks on a background with the Yxy color 34.0949, 0.3419, 0.2141.

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





Tritanopia

33.9946, 0.4266, 0.3191

Trichromacy



Original Color

34.0949, 0.3419, 0.2141



Protanomaly

32.1946, 0.2509, 0.2005



Deuteranomaly

32.4497, 0.2848, 0.2316



Tritanomaly

33.5429, 0.3946, 0.2760

Monochromacy



Original Color

34.0949, 0.3419, 0.2141



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

32.6203, 0.3236, 0.2738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0949, 0.3419, 0.2141 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, 105, 219)` looks like.

```
.text, #text, p{  
    color:rgb(242, 105, 219)  
}
```

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, 105, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 105, 219) }
```

Border

The CSS property to change the border of an element to Yxy 34.0949, 0.3419, 0.2141 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, 105, 219) }
```

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

```
.border{ border-color:rgb(242, 105, 219) }
```

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

Here you see how a box with a 4 pixel rgb(242, 105, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 105, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 105, 219);  
box-shadow:4px 4px 4px 4px rgb(242, 105,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0949, 0.3419, 0.2141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 105, 219) }
```

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

```
.background{ background-color: rgb(242,  
105, 219) }
```

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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