

Converting Colors

$Y_{xy}(34.1978, 0.3223, 0.1819)$

Have a look what the booklet for
Yxy(34.1978, 0.3223, 0.1819)
contains.

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Color

Yxy(34.1906, 0.3225, 0.1821)

Conversions

Conversions Part 1

Format	Color
Hex	FC56F9
RGB	252, 86, 249
RGB Percent	99%, 34%, 98%
CMY	0.0120, 0.6624, 0.0236
CMYK	0.00, 0.66, 0.01, 0.01
HSL	301°, 96%, 66%
HSV	301°, 66%, 99%
XYZ	60.5517, 34.1906, 93.0150
YIQ	154.2160, 46.6130, 85.8850

Conversions

Conversions Part 2

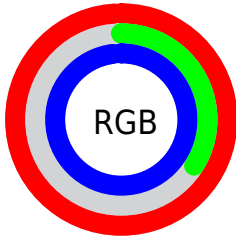
Format	Color
R _{YB}	252, 86, 249
Decimal	16537337
CIE _{Lab}	65.11, 80.60, -49.92
CIE _{LCh}	65, 94.807, 328.229
Yxy	34.1906, 0.3225, 0.1821
Android (android.graphics.Color)	4294727417 (0xFFFC56F9)
YUV	154.2160, 46.7285, 85.7566
Hunter-Lab	58.4727, 82.5193, -53.3841

Details

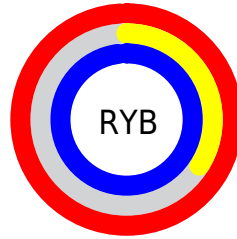
The Yxy color **34.1906, 0.3225, 0.1821** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **72.2858, 0.3018, 0.5394**, and the grayscale version is **32.2049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3474, 0.3176, 0.2248**, and **15.0122, 0.3209, 0.1542** is the 20% darker color. If you saturate the color by 10%, you get **30.8206, 0.3236, 0.1696**, and if you desaturate by 10%, it is **38.9812, 0.3212, 0.1987**.

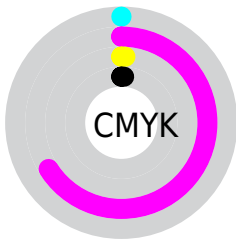
Distribution



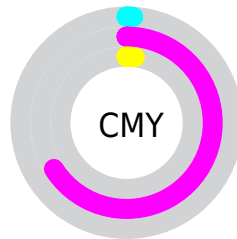
- Red (99%)
- Green (34%)
- Blue (98%)



- Red (99%)
- Yellow (34%)
- Blue (98%)



- Cyan (0%)
- Magenta (66%)
- Yellow (1%)
- Black (1%)




- Cyan (1%)
- Magenta (66%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1906, 0.3225, 0.1821 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 34.1906, 0.3225, 0.1821 by changing the saturation by 10% instead.


 34.1906, 0.3225,
0.1821

 34.1906, 0.3225,
0.1821

320.9811, 0.3213,
0.2477


 23.0401, 0.3219,
0.1681


 66.2300, 0.3228,
0.2041


 14.6231, 0.3207,
0.1515


 87.8876, 0.3227,
0.2129

 8.5553, 0.3184,
0.1315


 113.8163, 0.3225,
0.2206

 4.4523, 0.3142,
0.1073

 144.4006, 0.3223,
0.2273

 1.9296, 0.3063,
0.0785

180.0248, 0.3221,
0.2333

 0.5661, 0.2919,
0.0430

221.0734, 0.3218,

 0.0000, 0.2645,

0.2386

0.0000

267.9307, 0.3216,
0.2434

■ 0.0000, 0.1747,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.1906, 0.3225,
0.1821

■ 34.1906, 0.3225,
0.1821

■ 30.8206, 0.3236,
0.1696

■ 38.9812, 0.3212,
0.1987

■ 28.7100, 0.3245,
0.1615


■ 45.3216, 0.3197,
0.2188

■ 27.6665, 0.3252,
0.1575

■ 53.3317, 0.3182,
0.2414


■ 27.4267, 0.3255,
0.1567


■ 63.1184, 0.3166,
0.2656

 74.7797, 0.3150,
0.2904

 88.4064, 0.3135,
0.3150

 99.2397, 0.3125,
0.3318

 99.2683, 0.3122,
0.3313

 99.2968, 0.3120,
0.3309

Harmonies

Analogous

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



34.1906, 0.2007, 0.1470



34.1906, 0.3225, 0.1821



34.1906, 0.4748, 0.2433

Triad

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



34.1906, 0.3225, 0.1821



34.1906, 0.4846, 0.4973



34.1906, 0.1067, 0.2546

Complementary

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



34.1906, 0.3225, 0.1821



72.2858, 0.3018, 0.5394

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.



34.1906, 0.1540, 0.4184



34.1906, 0.3225, 0.1821



34.1906, 0.3702, 0.5880

Square

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



34.1906, 0.3225, 0.1821



34.1906, 0.5671, 0.3998



34.1906, 0.2514, 0.5805



34.1906, 0.1021, 0.1705

Rectangle

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



34.1906, 0.3225, 0.1821



34.1906, 0.5522, 0.2921



34.1906, 0.2514, 0.5805



34.1906, 0.1169, 0.3005

Sweetspot

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



34.1922, 0.3225, 0.1821



71.6073, 0.3157, 0.2800



15.8111, 0.1858, 0.1175



14.6126, 0.3161, 0.2730



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.



34.1922, 0.3225, 0.1821



30.8476, 0.3240, 0.1665



30.1161, 0.4203, 0.2513



17.5189, 0.3141, 0.3060



14.2976, 0.3254, 0.1566



1.3259, 0.3248, 0.1563

Inverse Universe

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



34.1922, 0.3225, 0.1821



30.8476, 0.3240, 0.1665



74.5338, 0.2686, 0.4347



17.5189, 0.3141, 0.3060



14.2976, 0.3254, 0.1566



1.3259, 0.3248, 0.1563

Previews

White Background



This preview shows how the Yxy color 34.1906, 0.3225, 0.1821 looks on a white background.

Color Contrast Check

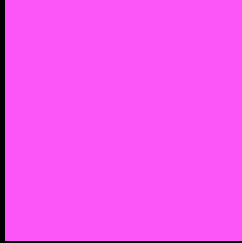
Large Text (above 18pt) WCAG AA × Fail

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 34.1906, 0.3225, 0.1821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

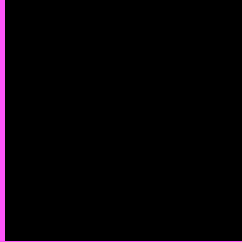
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1906, 0.3225, 0.1821

Background



This preview shows how black text looks on a background with the Yxy color 34.1906, 0.3225, 0.1821.



This preview shows how white text looks on a background with the Yxy color 34.1906, 0.3225, 0.1821.

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

34.1906, 0.3225, 0.1821

Protanopia

34.4446, 0.2172, 0.2016

Deuteranopia

34.3519, 0.2277, 0.2211



Tritanopia

33.7349, 0.4386, 0.3195

Trichromacy



Original Color

34.1906, 0.3225, 0.1821



Protanomaly

31.1641, 0.2447, 0.1840



Deuteranomaly

31.0784, 0.2540, 0.1949



Tritanomaly

33.0480, 0.3946, 0.2604

Monochromacy



Original Color

34.1906, 0.3225, 0.1821



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.3218, 0.3174, 0.2515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1906, 0.3225, 0.1821 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(252, 86, 249)` looks like.

```
.text, #text, p{  
    color:rgb(252, 86, 249)  
}
```

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(252, 86, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 86, 249) }
```

Border

The CSS property to change the border of an element to Yxy 34.1906, 0.3225, 0.1821 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(252, 86, 249) }
```

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

```
.border{ border-color:rgb(252, 86, 249) }
```

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

Here you see how a box with a 4 pixel rgb(252, 86, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 86, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 86, 249);  
box-shadow:4px 4px 4px 4px rgb(252, 86,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1906, 0.3225, 0.1821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 86, 249) }
```

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

```
.background{ background-color: rgb(252, 86,  
249) }
```

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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