

Converting Colors

Yxy(36.8631, 0.3458, 0.1935)

Have a look what the booklet for
Yxy(36.8631, 0.3458, 0.1935)
contains.

Yxy(34.0115, 0.3324, 0.1870)	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(34.0115, 0.3324, 0.1870)

Conversions

Conversions Part 1

Format	Color
Hex	FF54F2
RGB	255, 84, 242
RGB Percent	100%, 33%, 95%
CMY	0.0000, 0.6709, 0.0508
CMYK	0.00, 0.67, 0.05, 0.00
HSL	305°, 100%, 66%
HSV	305°, 67%, 100%
XYZ	60.4568, 34.0115, 87.4114
YIQ	153.1410, 51.1980, 85.3900

Conversions

Conversions Part 2

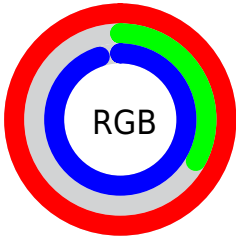
Format	Color
R _Y B	255, 84, 242
Decimal	16733426
CIE Lab	64.97, 80.99, -46.27
CIE LCh	65, 93.275, 330.258
Yxy	34.0115, 0.3324, 0.1870
Android (android.graphics.Color)	4294923506 (0xFFFF54F2)
YUV	153.1410, 43.8075, 89.3303
Hunter-Lab	58.3194, 82.9832, -48.0426

Details

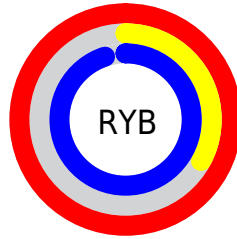
The Yxy color **34.0115, 0.3324, 0.1870** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **74.2625, 0.2985, 0.5333**, and the grayscale version is **31.6906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7308, 0.3177, 0.2230**, and **14.9721, 0.3329, 0.1608** is the 20% darker color. If you saturate the color by 10%, you get **30.6268, 0.3354, 0.1755**, and if you desaturate by 10%, it is **38.8184, 0.3292, 0.2026**.

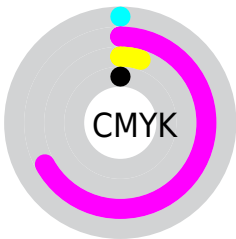
Distribution



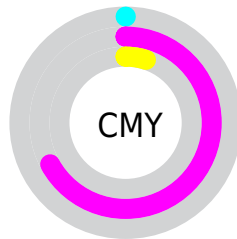
- Red (100%)
- Green (33%)
- Blue (95%)



- Red (100%)
- Yellow (33%)
- Blue (95%)



- Cyan (0%)
- Magenta (67%)
- Yellow (5%)
- Black (0%)





- Cyan (0%)
- Magenta (67%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0115, 0.3324, 0.1870 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 34.0115, 0.3324, 0.1870 by changing the saturation by 10% instead.


 34.0115, 0.3324,
0.1870


 34.0115, 0.3324,
0.1870

320.1833, 0.3260,
0.2509

 22.9024, 0.3331,
0.1732


 65.9516, 0.3308,
0.2086


 14.5215, 0.3335,
0.1567


 87.5513, 0.3300,
0.2172

 8.4842, 0.3333,
0.1368


 113.4168, 0.3292,
0.2246

 4.4063, 0.3319,
0.1125

 143.9323, 0.3285,
0.2312

 1.9034, 0.3279,
0.0832

179.4824, 0.3278,
0.2370

 0.5504, 0.3189,
0.0459

220.4513, 0.3272,

 0.0000, 0.2986,

0.2421

0.0000

267.2235, 0.3266,
0.2467

■ 0.0000, 0.2087,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.0115, 0.3324,
0.1870

■ 34.0115, 0.3324,
0.1870

■ 30.6268, 0.3354,
0.1755

■ 38.8184, 0.3292,
0.2026

■ 28.5268, 0.3381,
0.1685

■ 45.2154, 0.3259,
0.2216

■ 27.4913, 0.3406,
0.1658

■ 53.3169, 0.3228,
0.2431

■ 27.2974, 0.3413,
0.1654

■ 63.2346, 0.3198,
0.2660

75.0702, 0.3169,
0.2896

88.9183, 0.3144,
0.3129

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.



34.0115, 0.2085, 0.1502



34.0115, 0.3324, 0.1870



34.0115, 0.4820, 0.2492

Triad

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



34.0115, 0.3324, 0.1870



34.0115, 0.4767, 0.5033



34.0115, 0.1072, 0.2480

Complementary

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



34.0115, 0.3324, 0.1870



74.2625, 0.2985, 0.5333

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.



34.0115, 0.1512, 0.4044



34.0115, 0.3324, 0.1870



34.0115, 0.3627, 0.5889

Square

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



34.0115, 0.3324, 0.1870



34.0115, 0.5610, 0.4063



34.0115, 0.2452, 0.5695



34.0115, 0.1049, 0.1690

Rectangle

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



34.0115, 0.3324, 0.1870



34.0115, 0.5544, 0.2981



34.0115, 0.2452, 0.5695



34.0115, 0.1165, 0.2913

Sweetspot

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



34.0024, 0.3323, 0.1870



71.4193, 0.3177, 0.2827



16.0001, 0.1878, 0.1157



14.5667, 0.3185, 0.2761



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.



34.0024, 0.3323, 0.1870



29.6635, 0.3365, 0.1722



30.0600, 0.4355, 0.2588



18.2752, 0.3150, 0.3073



14.2735, 0.3410, 0.1652



1.3966, 0.3384, 0.1638

Inverse Universe

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



34.0024, 0.3323, 0.1870



29.6635, 0.3365, 0.1722



76.7323, 0.2646, 0.4253



18.2752, 0.3150, 0.3073



14.2735, 0.3410, 0.1652



1.3966, 0.3384, 0.1638

Previews

White Background



This preview shows how the Yxy color 34.0115, 0.3324, 0.1870 looks on a white background.

Color Contrast Check

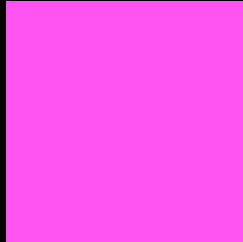
Large Text (above 18pt) WCAG AA × Fail

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 34.0115, 0.3324, 0.1870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

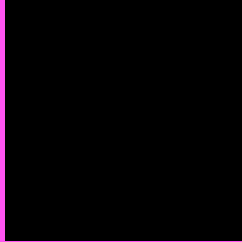
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0115, 0.3324, 0.1870

Background



This preview shows how black text looks on a background with the Yxy color 34.0115, 0.3324, 0.1870.



This preview shows how white text looks on a background with the Yxy color 34.0115, 0.3324, 0.1870.

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

34.0115, 0.3324, 0.1870

Protanopia

34.4446, 0.2172, 0.2016

Deuteranopia

34.3955, 0.2349, 0.2293



Tritanopia

33.8069, 0.4489, 0.3198

Trichromacy



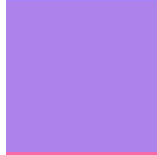
Original Color

34.0115, 0.3324, 0.1870



Protanomaly

30.8181, 0.2471, 0.1856



Deuteranomaly

30.9621, 0.2628, 0.2013



Tritanomaly

32.9468, 0.4059, 0.2639

Monochromacy



Original Color

34.0115, 0.3324, 0.1870



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

29.8883, 0.3215, 0.2548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0115, 0.3324, 0.1870 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(255, 84, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 84, 242)  
}
```

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(255, 84, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 84, 242) }
```

Border

The CSS property to change the border of an element to Yxy 34.0115, 0.3324, 0.1870 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(255, 84, 242) }
```

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

```
.border{ border-color:rgb(255, 84, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 84, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 84, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 84, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 84,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0115, 0.3324, 0.1870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 84, 242) }
```

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

```
.background{ background-color: rgb(255, 84,  
242) }
```

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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