

Converting Colors

$Yxy(35.9845, 0.3617, 0.2097)$

Have a look what the booklet for
Yxy(35.9845, 0.3617, 0.2097)
contains.

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Color

Yxy(34.0699, 0.3519, 0.2056)

Conversions

Conversions Part 1

Format	Color
Hex	FF5BDF
RGB	255, 91, 223
RGB Percent	100%, 36%, 87%
CMY	0.0000, 0.6433, 0.1254
CMYK	0.00, 0.64, 0.13, 0.00
HSL	312°, 100%, 68%
HSV	312°, 64%, 100%
XYZ	58.3132, 34.0699, 73.3265
YIQ	155.0840, 55.3720, 75.8200

Conversions

Conversions Part 2

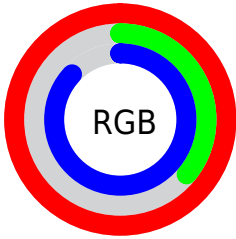
Format	Color
R _Y B	255, 91, 223
Decimal	16735199
CIE Lab	65.02, 75.64, -35.62
CIE LCh	65, 83.612, 334.785
Yxy	34.0699, 0.3519, 0.2056
Android (android.graphics.Color)	4294925279 (0xFFFF5BDF)
YUV	155.0840, 33.4826, 87.6263
Hunter-Lab	58.3694, 76.1816, -33.6244

Details

The Yxy color **34.0699, 0.3519, 0.2056** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **75.1706, 0.2914, 0.5020**, and the grayscale version is **32.6371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6132, 0.3174, 0.2284**, and **14.5875, 0.3608, 0.1779** is the 20% darker color. If you saturate the color by 10%, you get **30.1578, 0.3596, 0.1943**, and if you desaturate by 10%, it is **39.4575, 0.3443, 0.2207**.

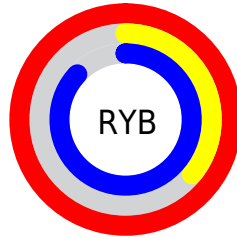
Distribution



Red (100%)

Green (36%)

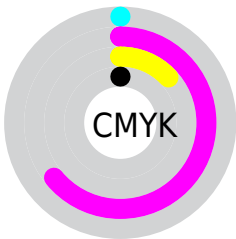
Blue (87%)



Red (100%)

Yellow (36%)

Blue (87%)

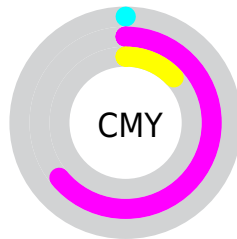


Cyan (0%)

Magenta (64%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (64%)


Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0699, 0.3519, 0.2056 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 34.0699, 0.3519, 0.2056 by changing the saturation by 10% instead.

 34.0699, 0.3519,
0.2056


 34.0699, 0.3519,
0.2056


320.4436, 0.3347,
0.2627

 22.9473, 0.3555,
0.1928


 66.0424, 0.3462,
0.2252


 14.5546, 0.3597,
0.1773


 87.6610, 0.3439,
0.2329

 8.5074, 0.3647,
0.1581


 113.5471, 0.3418,
0.2396

 4.4213, 0.3705,
0.1339

 144.0851, 0.3401,
0.2454

 1.9119, 0.3768,
0.1033

179.6594, 0.3385,
0.2505

 0.5555, 0.3839,
0.0611

220.6543, 0.3371,

 0.0000, 0.3903,

0.2550

0.0000

267.4542, 0.3358,
0.2590

■ 0.0000, 0.2830,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.0699, 0.3519,
0.2056

■ 34.0699, 0.3519,
0.2056

■ 30.1578, 0.3596,
0.1943

■ 39.4575, 0.3443,
0.2207

■ 27.5826, 0.3673,
0.1875


■ 46.4745, 0.3370,
0.2388


■ 26.1456, 0.3746,
0.1855

■ 55.2347, 0.3304,
0.2586

■ 25.6815, 0.3786,
0.1859

■ 65.8468, 0.3244,
0.2794

 78.4104, 0.3191,
0.3002

 93.0184, 0.3145,
0.3205

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.



34.0699, 0.2322, 0.1664



34.0699, 0.3519, 0.2056



34.0699, 0.4829, 0.2674

Triad

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



34.0699, 0.3519, 0.2056



34.0699, 0.4550, 0.5086



34.0699, 0.1196, 0.2426

Complementary

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



34.0699, 0.3519, 0.2056



75.1706, 0.2914, 0.5020

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.



34.0699, 0.1566, 0.3732



34.0699, 0.3519, 0.2056



34.0699, 0.3486, 0.5699

Square

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



34.0699, 0.3519, 0.2056



34.0699, 0.5351, 0.4207



34.0699, 0.2396, 0.5243



34.0699, 0.1212, 0.1762

Rectangle

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



34.0699, 0.3519, 0.2056



34.0699, 0.5405, 0.3152



34.0699, 0.2396, 0.5243



34.0699, 0.1270, 0.2788

Sweetspot

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



34.0637, 0.3519, 0.2056



72.2944, 0.3215, 0.2905



18.7624, 0.2045, 0.1293



14.7184, 0.3230, 0.2845



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.



34.0637, 0.3519, 0.2056



29.3472, 0.3617, 0.1920



30.7153, 0.4543, 0.2795



18.2361, 0.3168, 0.3101



13.4407, 0.3775, 0.1853



1.3235, 0.3698, 0.1811

Inverse Universe

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



34.0637, 0.3519, 0.2056



29.3472, 0.3617, 0.1920



78.0564, 0.2571, 0.3946



18.2361, 0.3168, 0.3101



13.4407, 0.3775, 0.1853



1.3235, 0.3698, 0.1811

Previews

White Background



This preview shows how the Yxy color 34.0699, 0.3519, 0.2056 looks on a white background.

Color Contrast Check

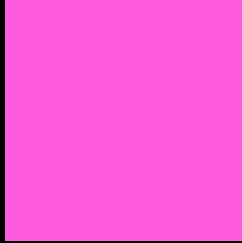
Large Text (above 18pt) WCAG AA × Fail

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 34.0699, 0.3519, 0.2056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

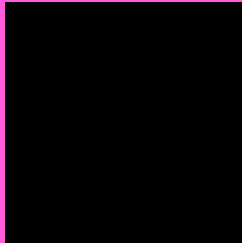
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0699, 0.3519, 0.2056

Background



This preview shows how black text looks on a background with the Yxy color 34.0699, 0.3519, 0.2056.

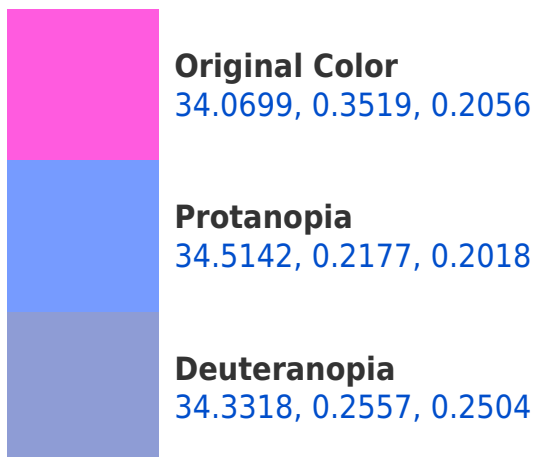


This preview shows how white text looks on a background with the Yxy color 34.0699, 0.3519, 0.2056.

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

33.8757, 0.4539, 0.3210

Trichromacy



Original Color

34.0699, 0.3519, 0.2056



Protanomaly

31.2984, 0.2527, 0.1949



Deuteranomaly

31.5796, 0.2848, 0.2232



Tritanomaly

33.4381, 0.4176, 0.2746

Monochromacy



Original Color

34.0699, 0.3519, 0.2056



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

30.8742, 0.3274, 0.2662

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0699, 0.3519, 0.2056 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, 91, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 91, 223)  
}
```

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, 91, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 91, 223) }
```

Border

The CSS property to change the border of an element to Yxy 34.0699, 0.3519, 0.2056 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, 91, 223) }
```

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

```
.border{ border-color:rgb(255, 91, 223) }
```

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

Here you see how a box with a 4 pixel rgb(255, 91, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 91, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 91, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 91,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0699, 0.3519, 0.2056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 91, 223) }
```

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

```
.background{ background-color: rgb(255, 91,  
223) }
```

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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