

Converting Colors

$Y_{xy}(34.5636, 0.3589, 0.2287)$

Have a look what the booklet for
Yxy(34.5636, 0.3589, 0.2287)
contains.

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Color

Yxy(34.5938, 0.3587, 0.2291)

Conversions

Conversions Part 1

Format	Color
Hex	F56CCE
RGB	245, 108, 206
RGB Percent	96%, 42%, 81%
CMY	0.0392, 0.5765, 0.1920
CMYK	0.00, 0.56, 0.16, 0.04
HSL	317°, 87%, 69%
HSV	317°, 56%, 96%
XYZ	54.1632, 34.5938, 62.2417
YIQ	160.1350, 50.1940, 59.5220

Conversions

Conversions Part 2

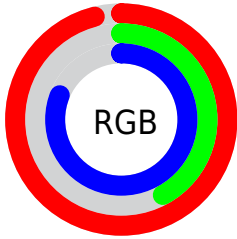
Format	Color
R _Y B	245, 108, 206
Decimal	16084174
CIE Lab	65.43, 63.54, -25.59
CIE LCh	65, 68.495, 338.065
Yxy	34.5938, 0.3587, 0.2291
Android (android.graphics.Color)	4294274254 (0xFFFF56CCE)
YUV	160.1350, 22.6114, 74.4266
Hunter-Lab	58.8165, 61.4491, -21.5712

Details

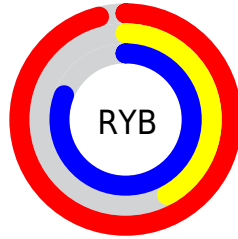
The Yxy color **34.5938, 0.3587, 0.2291** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **70.5982, 0.2871, 0.4597**, and the grayscale version is **35.0968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3903, 0.3168, 0.2412**, and **14.8701, 0.3713, 0.2050** is the 20% darker color. If you saturate the color by 10%, you get **29.8025, 0.3702, 0.2159**, and if you desaturate by 10%, it is **40.8550, 0.3480, 0.2452**.

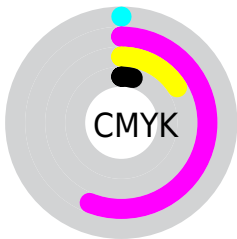
Distribution



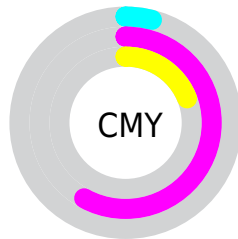
- Red (96%)
- Green (42%)
- Blue (81%)



- Red (96%)
- Yellow (42%)
- Blue (81%)



- Cyan (0%)
- Magenta (56%)
- Yellow (16%)
- Black (4%)




- Cyan (4%)
- Magenta (58%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5938, 0.3587, 0.2291 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 34.5938, 0.3587, 0.2291 by changing the saturation by 10% instead.


 34.5938, 0.3587,
0.2291


 34.5938, 0.3587,
0.2291

322.7717, 0.3368,
0.2767


 23.3501, 0.3638,
0.2180


 66.8560, 0.3510,
0.2458


 14.8523, 0.3701,
0.2043


 88.6434, 0.3481,
0.2523

 8.7158, 0.3781,
0.1868


 114.7141, 0.3455,
0.2578

 4.5563, 0.3885,
0.1640

 145.4525, 0.3433,
0.2626

 1.9893, 0.4024,
0.1336

181.2431, 0.3414,
0.2668

 0.6013, 0.4231,
0.0883

222.4703, 0.3397,

 0.0000, 0.4632,

0.2705

0.0000

269.5183, 0.3382,
0.2738

■ 0.0000, 0.3554,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.5938, 0.3587,
0.2291

■ 34.5938, 0.3587,
0.2291

■ 29.8025, 0.3702,
0.2159

■ 40.8550, 0.3480,
0.2452

■ 26.3508, 0.3822,
0.2066


■ 48.6918, 0.3383,
0.2630

■ 24.0940, 0.3942,
0.2020


■ 58.2060, 0.3298,
0.2817


■ 22.8510, 0.4059,
0.2024


■ 69.4894, 0.3224,
0.3004

 22.5207, 0.4106,
0.2036

 82.6272, 0.3160,
0.3186

 97.6988, 0.3106,
0.3360

 98.1403, 0.3067,
0.3292

 98.1525, 0.3066,
0.3290

Harmonies

Analogous

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



34.5938, 0.2559, 0.1914



34.5938, 0.3587, 0.2291



34.5938, 0.4620, 0.2861

Triad

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



34.5938, 0.3587, 0.2291



34.5938, 0.4319, 0.4938



34.5938, 0.1450, 0.2517

Complementary

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



34.5938, 0.3587, 0.2291



70.5982, 0.2871, 0.4597

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.



34.5938, 0.1765, 0.3537



34.5938, 0.3587, 0.2291



34.5938, 0.3403, 0.5259

Square

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



34.5938, 0.3587, 0.2291



34.5938, 0.4990, 0.4251



34.5938, 0.2466, 0.4722



34.5938, 0.1487, 0.1963

Rectangle

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



34.5938, 0.3587, 0.2291



34.5938, 0.5054, 0.3302



34.5938, 0.2466, 0.4722



34.5938, 0.1513, 0.2807

Sweetspot

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



34.5955, 0.3587, 0.2291



74.6235, 0.3231, 0.2983



23.5032, 0.2310, 0.1604



15.4154, 0.3246, 0.2946



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.



34.5955, 0.3587, 0.2291



32.1005, 0.3717, 0.2145



31.9629, 0.4442, 0.2984



16.6832, 0.3182, 0.3122



12.1573, 0.4088, 0.2026



1.0861, 0.3952, 0.1951

Inverse Universe

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



34.5955, 0.3587, 0.2291



32.1005, 0.3717, 0.2145



73.4156, 0.2550, 0.3661



16.6832, 0.3182, 0.3122



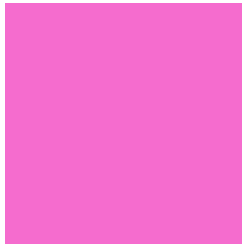
12.1573, 0.4088, 0.2026



1.0861, 0.3952, 0.1951

Previews

White Background



This preview shows how the Yxy color 34.5938, 0.3587, 0.2291 looks on a white background.

Color Contrast Check

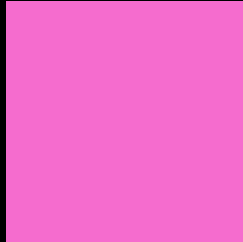
Large Text (above 18pt) WCAG AA × Fail

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 34.5938, 0.3587, 0.2291 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 34.5938, 0.3587, 0.2291

Background



This preview shows how black text looks on a background with the Yxy color 34.5938, 0.3587, 0.2291.

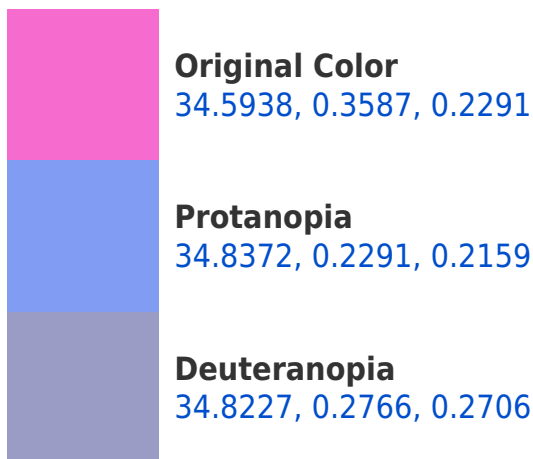


This preview shows how white text looks on a background with the Yxy color 34.5938, 0.3587, 0.2291.

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

34.5656, 0.4334, 0.3194

Trichromacy



Original Color

34.5938, 0.3587, 0.2291



Protanomaly

32.8363, 0.2648, 0.2157



Deuteranomaly

33.3736, 0.3036, 0.2501



Tritanomaly

34.4325, 0.4069, 0.2847

Monochromacy



Original Color

34.5938, 0.3587, 0.2291



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.3004, 0.3294, 0.2817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5938, 0.3587, 0.2291 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(245, 108, 206)` looks like.

```
.text, #text, p{  
    color:rgb(245, 108, 206)  
}
```

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(245, 108, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 108, 206) }
```

Border

The CSS property to change the border of an element to Yxy 34.5938, 0.3587, 0.2291 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(245, 108, 206) }
```

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

```
.border{ border-color:rgb(245, 108, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 108, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 108, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 108, 206);  
box-shadow:4px 4px 4px 4px rgb(245, 108,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5938, 0.3587, 0.2291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 108, 206) }
```

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

```
.background{ background-color: rgb(245,  
108, 206) }
```

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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