

Converting Colors

$Y_{xy}(34.9010, 0.3518, 0.2276)$

Have a look what the booklet for
Yxy(34.9010, 0.3518, 0.2276)
contains.

Yxy(34.8496, 0.3520, 0.2280)	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(34.8496, 0.3520, 0.2280)

Conversions

Conversions Part 1

Format	Color
Hex	F26FD1
RGB	242, 111, 209
RGB Percent	95%, 44%, 82%
CMY	0.0511, 0.5646, 0.1805
CMYK	0.00, 0.54, 0.14, 0.05
HSL	315°, 83%, 69%
HSV	315°, 54%, 95%
XYZ	53.8029, 34.8496, 64.1966
YIQ	161.3410, 46.6180, 58.2500

Conversions

Conversions Part 2

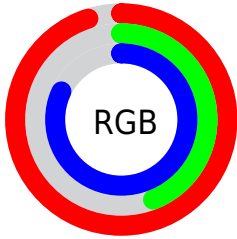
Format	Color
R _Y B	242, 111, 209
Decimal	15888337
CIE Lab	65.63, 61.75, -26.96
CIE LCh	66, 67.381, 336.413
Yxy	34.8496, 0.3520, 0.2280
Android (android.graphics.Color)	4294078417 (0xFFFF26FD1)
YUV	161.3410, 23.4959, 70.7379
Hunter-Lab	59.0335, 59.3753, -23.1520

Details

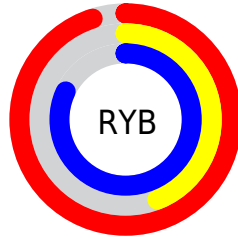
The Yxy color **34.8496, 0.3520, 0.2280** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **68.8876, 0.2896, 0.4604**, and the grayscale version is **35.6835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1174, 0.3167, 0.2431**, and **14.9466, 0.3617, 0.2030** is the 20% darker color. If you saturate the color by 10%, you get **29.9687, 0.3619, 0.2136**, and if you desaturate by 10%, it is **41.1753, 0.3427, 0.2451**.

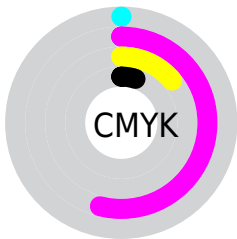
Distribution



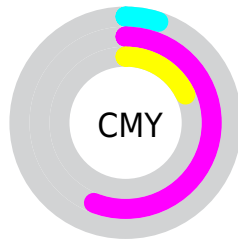
- Red (95%)
- Green (44%)
- Blue (82%)



- Red (95%)
- Yellow (44%)
- Blue (82%)



- Cyan (0%)
- Magenta (54%)
- Yellow (14%)
- Black (5%)





- Cyan (5%)
- Magenta (56%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8496, 0.3520, 0.2280 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 34.8496, 0.3520, 0.2280 by changing the saturation by 10% instead.


 34.8496, 0.3520,
0.2280


 34.8496, 0.3520,
0.2280


323.9040, 0.3336,
0.2760

 23.5470, 0.3562,
0.2169


 67.2527, 0.3456,
0.2448

 14.9980, 0.3613,
0.2030


 89.1221, 0.3432,
0.2513

 8.8180, 0.3677,
0.1855


 115.2824, 0.3410,
0.2569

 4.6226, 0.3758,
0.1628

146.1183, 0.3392,
0.2617

 2.0276, 0.3862,
0.1325

182.0140, 0.3375,
0.2660

 0.6234, 0.4007,
0.0882

223.3539, 0.3361,

 0.0000, 0.4295,

0.2697

0.0000

270.5224, 0.3348,
0.2730

■ 0.0000, 0.0000,
0.0000

■ 34.8496, 0.3520,
0.2280

■ 34.8496, 0.3520,
0.2280

■ 29.9687, 0.3619,
0.2136

■ 41.1753, 0.3427,
0.2451

■ 26.4092, 0.3723,
0.2030

■ 49.0463, 0.3343,
0.2638

■ 24.0353, 0.3827,
0.1970

■ 58.5595, 0.3269,
0.2832

■ 22.6791, 0.3927,
0.1958

■ 69.8028, 0.3204,
0.3027

■ 22.2094, 0.3985,
0.1969

■ 82.8576, 0.3148,
0.3215

97.0207, 0.3101,
0.3382

97.4005, 0.3066,
0.3322

97.6134, 0.3047,
0.3290

Harmonies

Analogous

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



34.8496, 0.2521, 0.1920



34.8496, 0.3520, 0.2280



34.8496, 0.4546, 0.2836

Triad

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



34.8496, 0.3520, 0.2280



34.8496, 0.4350, 0.4884



34.8496, 0.1482, 0.2577

Complementary

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



34.8496, 0.3520, 0.2280



68.8876, 0.2896, 0.4604

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.



34.8496, 0.1817, 0.3600



34.8496, 0.3520, 0.2280



34.8496, 0.3456, 0.5223

Square

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



34.8496, 0.3520, 0.2280



34.8496, 0.4987, 0.4204



34.8496, 0.2527, 0.4744



34.8496, 0.1499, 0.2004

Rectangle

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



34.8496, 0.3520, 0.2280



34.8496, 0.4996, 0.3269



34.8496, 0.2527, 0.4744



34.8496, 0.1552, 0.2871

Sweetspot

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



34.8513, 0.3520, 0.2280



76.0298, 0.3215, 0.2989



23.6934, 0.2309, 0.1649



15.6960, 0.3228, 0.2949



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.



34.8513, 0.3520, 0.2280



33.2621, 0.3630, 0.2123



32.2555, 0.4317, 0.2943



15.9594, 0.3176, 0.3115



11.9566, 0.3970, 0.1960



1.0105, 0.3847, 0.1893

Inverse Universe

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



34.8513, 0.3520, 0.2280



33.2621, 0.3630, 0.2123



71.4884, 0.2583, 0.3704



15.9594, 0.3176, 0.3115



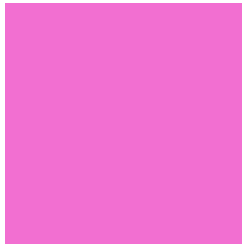
11.9566, 0.3970, 0.1960



1.0105, 0.3847, 0.1893

Previews

White Background



This preview shows how the Yxy color 34.8496, 0.3520, 0.2280 looks on a white background.

Color Contrast Check

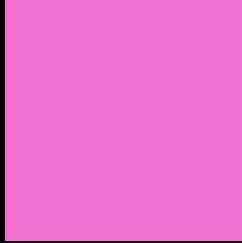
Large Text (above 18pt) WCAG AA × Fail

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 34.8496, 0.3520, 0.2280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

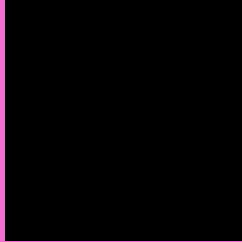
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.8496, 0.3520, 0.2280

Background



This preview shows how black text looks on a background with the Yxy color 34.8496, 0.3520, 0.2280.



This preview shows how white text looks on a background with the Yxy color 34.8496, 0.3520, 0.2280.

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

34.8496, 0.3520, 0.2280

Protanopia

35.3736, 0.2289, 0.2154

Deuteranopia

35.2010, 0.2736, 0.2681



Tritanopia

34.7369, 0.4242, 0.3192

Trichromacy



Original Color

34.8496, 0.3520, 0.2280



Protanomaly

33.1284, 0.2627, 0.2148



Deuteranomaly

33.5549, 0.2990, 0.2475



Tritanomaly

34.5679, 0.3981, 0.2837

Monochromacy



Original Color

34.8496, 0.3520, 0.2280



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

33.8064, 0.3272, 0.2829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8496, 0.3520, 0.2280 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, 111, 209)` looks like.

```
.text, #text, p{  
    color:rgb(242, 111, 209)  
}
```

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, 111, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 111, 209) }
```

Border

The CSS property to change the border of an element to Yxy 34.8496, 0.3520, 0.2280 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, 111, 209) }
```

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

```
.border{ border-color:rgb(242, 111, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 111, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 111, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 111, 209);  
box-shadow:4px 4px 4px 4px rgb(242, 111,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8496, 0.3520, 0.2280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 111, 209) }
```

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

```
.background{ background-color: rgb(242,  
111, 209) }
```

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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