

Converting Colors

$Y_{xy}(35.8553, 0.3652, 0.2500)$

Have a look what the booklet for
Yxy(35.8553, 0.3652, 0.2500)
contains.

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Color

Yxy(35.8532, 0.3652, 0.2500)

Conversions

Conversions Part 1

Format	Color
Hex	F078C2
RGB	240, 120, 194
RGB Percent	94%, 47%, 76%
CMY	0.0590, 0.5292, 0.2393
CMYK	0.00, 0.50, 0.19, 0.06
HSL	323°, 80%, 71%
HSV	323°, 50%, 94%
XYZ	52.3744, 35.8532, 55.1852
YIQ	164.3160, 47.7660, 48.4540

Conversions

Conversions Part 2

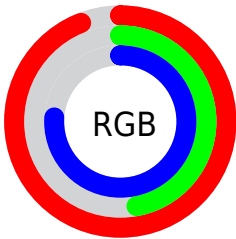
Format	Color
R _Y B	240, 120, 194
Decimal	15759554
CIE Lab	66.41, 54.71, -17.38
CIE LCh	66, 57.406, 342.379
Yxy	35.8532, 0.3652, 0.2500
Android (android.graphics.Color)	4293949634 (0xFFFF078C2)
YUV	164.3160, 14.6342, 66.3749
Hunter-Lab	59.8775, 51.3467, -12.7295

Details

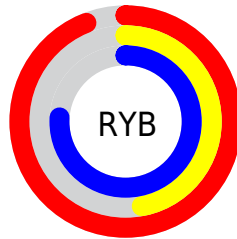
The Yxy color **35.8532, 0.3652, 0.2500** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **69.0410, 0.2829, 0.4266**, and the grayscale version is **37.1992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2757, 0.3194, 0.2552**, and **15.4978, 0.3797, 0.2292** is the 20% darker color. If you saturate the color by 10%, you get **30.3852, 0.3807, 0.2368**, and if you desaturate by 10%, it is **42.7962, 0.3513, 0.2652**.

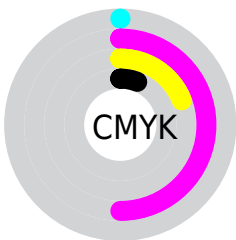
Distribution



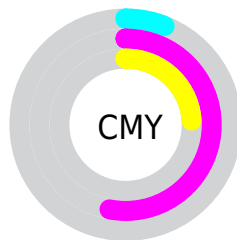
- Red (94%)
- Green (47%)
- Blue (76%)



- Red (94%)
- Yellow (47%)
- Blue (76%)



- Cyan (0%)
- Magenta (50%)
- Yellow (19%)
- Black (6%)





- Cyan (6%)
- Magenta (53%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8532, 0.3652, 0.2500 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 35.8532, 0.3652, 0.2500 by changing the saturation by 10% instead.


 35.8532, 0.3652,
0.2500


 35.8532, 0.3652,
0.2500


328.3185, 0.3392,
0.2884

 24.3208, 0.3716,
0.2408


 68.8054, 0.3558,
0.2637

 15.5718, 0.3797,
0.2292


 90.9941, 0.3523,
0.2689

 9.2217, 0.3903,
0.2142


 117.5036, 0.3493,
0.2733

 4.8860, 0.4049,
0.1942

148.7184, 0.3467,
0.2772

 2.1806, 0.4259,
0.1662

185.0229, 0.3445,
0.2805

 0.7094, 0.4592,
0.1237

226.8015, 0.3425,


 0.0000, 0.5519,

0.2835


0.0000


274.4386, 0.3408,
0.2861

 0.0000, 0.0000,
0.0000


 35.8532, 0.3652,
0.2500


 35.8532, 0.3652,
0.2500

 30.3852, 0.3807,
0.2368


 42.7962, 0.3513,
0.2652

 26.2766, 0.3975,
0.2269


 51.3082, 0.3392,
0.2814


 23.4026, 0.4150,
0.2213


 61.4814, 0.3289,
0.2978

 21.6129, 0.4327,
0.2208

 73.3993, 0.3201,
0.3138

 20.6555, 0.4498,
0.2252

 87.1399, 0.3127,
0.3290

 20.6530, 0.4498,
0.2252

 96.8871, 0.3068,
0.3347

 97.2565, 0.3035,
0.3290

Harmonies

Analogous

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



35.8532, 0.2770, 0.2137



35.8532, 0.3652, 0.2500



35.8532, 0.4464, 0.3026

Triad

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



35.8532, 0.3652, 0.2500



35.8532, 0.4078, 0.4770



35.8532, 0.1668, 0.2570

Complementary

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



35.8532, 0.3652, 0.2500



69.0410, 0.2829, 0.4266

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.



35.8532, 0.1915, 0.3373



35.8532, 0.3652, 0.2500



35.8532, 0.3283, 0.4882

Square

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



35.8532, 0.3652, 0.2500



35.8532, 0.4668, 0.4255



35.8532, 0.2489, 0.4326



35.8532, 0.1736, 0.2123

Rectangle

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



35.8532, 0.3652, 0.2500



35.8532, 0.4779, 0.3426



35.8532, 0.2489, 0.4326



35.8532, 0.1714, 0.2800

Sweetspot

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



35.8549, 0.3652, 0.2500



77.0681, 0.3243, 0.3057



27.8408, 0.2515, 0.1834



15.8870, 0.3262, 0.3023



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.



35.8549, 0.3652, 0.2500



34.7637, 0.3811, 0.2366



33.6831, 0.4378, 0.3141



15.9227, 0.3197, 0.3145



11.3379, 0.4472, 0.2237



0.9626, 0.4261, 0.2121

Inverse Universe

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



35.8549, 0.3652, 0.2500



34.7637, 0.3811, 0.2366



71.7760, 0.2537, 0.3461



15.9227, 0.3197, 0.3145



11.3379, 0.4472, 0.2237



0.9626, 0.4261, 0.2121

Previews

White Background



This preview shows how the Yxy color 35.8532, 0.3652, 0.2500 looks on a white background.

Color Contrast Check

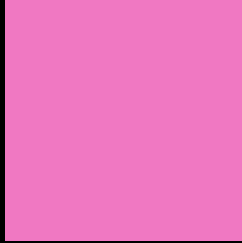
Large Text (above 18pt) WCAG AA × Fail

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 35.8532, 0.3652, 0.2500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

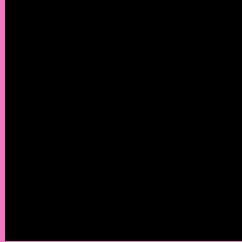
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8532, 0.3652, 0.2500

Background



This preview shows how black text looks on a background with the Yxy color 35.8532, 0.3652, 0.2500.



This preview shows how white text looks on a background with the Yxy color 35.8532, 0.3652, 0.2500.

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

35.8532, 0.3652, 0.2500

Protanopia

36.2552, 0.2514, 0.2458

Deuteranopia

36.0839, 0.2934, 0.2875



Tritanopia

35.8179, 0.4189, 0.3180

Trichromacy



Original Color

35.8532, 0.3652, 0.2500



Protanomaly

34.4692, 0.2850, 0.2433



Deuteranomaly

34.8707, 0.3175, 0.2700



Tritanomaly

35.7213, 0.4000, 0.2924

Monochromacy



Original Color

35.8532, 0.3652, 0.2500



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.4814, 0.3316, 0.2936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8532, 0.3652, 0.2500 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(240, 120, 194)` looks like.

```
.text, #text, p{  
    color:rgb(240, 120, 194)  
}
```

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(240, 120, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 120, 194) }
```

Border

The CSS property to change the border of an element to Yxy 35.8532, 0.3652, 0.2500 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(240, 120, 194) }
```

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

```
.border{ border-color:rgb(240, 120, 194) }
```

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

Here you see how a box with a 4 pixel rgb(240, 120, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 120, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 120, 194);  
box-shadow:4px 4px 4px 4px rgb(240, 120,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8532, 0.3652, 0.2500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 120, 194) }
```

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

```
.background{ background-color: rgb(240,  
120, 194) }
```

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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