

Converting Colors

$Y_{xy}(38.8689, 0.3547, 0.2440)$

Have a look what the booklet for
Yxy(38.8689, 0.3547, 0.2440)
contains.

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Color

Yxy(38.8883, 0.3540, 0.2437)

Conversions

Conversions Part 1

Format	Color
Hex	F57ED0
RGB	245, 126, 208
RGB Percent	96%, 49%, 82%
CMY	0.0394, 0.5057, 0.1844
CMYK	0.00, 0.49, 0.15, 0.04
HSL	319°, 86%, 73%
HSV	319°, 49%, 96%
XYZ	56.4894, 38.8883, 64.1968
YIQ	170.9290, 44.6020, 50.7300

Conversions

Conversions Part 2

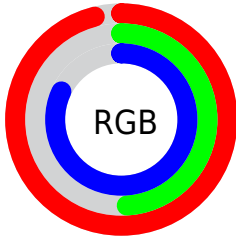
Format	Color
R _Y B	245, 126, 208
Decimal	16088784
CIE Lab	68.67, 55.43, -21.72
CIE LCh	69, 59.531, 338.599
Yxy	38.8883, 0.3540, 0.2437
Android (android.graphics.Color)	4294278864 (0xFFFF57ED0)
YUV	170.9290, 18.2760, 64.9603
Hunter-Lab	62.3605, 52.5637, -17.3836

Details

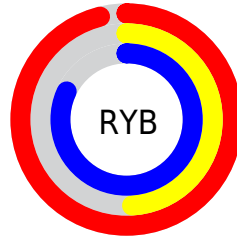
The Yxy color **38.8883, 0.3540, 0.2437** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **72.3609, 0.2878, 0.4351**, and the grayscale version is **40.5813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9359, 0.3161, 0.2575**, and **17.2455, 0.3647, 0.2226** is the 20% darker color. If you saturate the color by 10%, you get **33.0057, 0.3661, 0.2288**, and if you desaturate by 10%, it is **46.3261, 0.3431, 0.2607**.

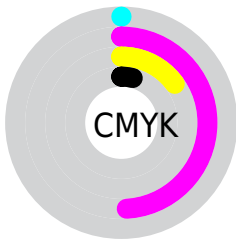
Distribution



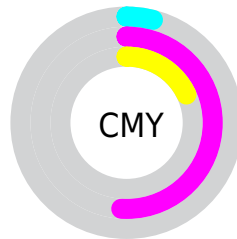
- Red (96%)
- Green (49%)
- Blue (82%)



- Red (96%)
- Yellow (49%)
- Blue (82%)



- Cyan (0%)
- Magenta (49%)
- Yellow (15%)
- Black (4%)





- Cyan (4%)
- Magenta (51%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8883, 0.3540, 0.2437 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 38.8883, 0.3540, 0.2437 by changing the saturation by 10% instead.

 38.8883, 0.3540,
0.2437


 38.8883, 0.3540,
0.2437


341.4154, 0.3343,
0.2842


 26.6728, 0.3586,
0.2342


 73.4676, 0.3471,
0.2579

 17.3277, 0.3643,
0.2225


 96.6003, 0.3444,
0.2634

 10.4684, 0.3717,
0.2075


 124.1409, 0.3421,
0.2681

 5.7106, 0.3813,
0.1878

156.4737, 0.3402,
0.2722

 2.6699, 0.3944,
0.1611

193.9831, 0.3384,
0.2758

 0.9619, 0.4131,
0.1235

237.0536, 0.3369,

 0.0000, 0.4732,

0.2789

0.0000

286.0696, 0.3355,
0.2817

■ 0.0000, 0.5126,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.8883, 0.3540,
0.2437

■ 38.8883, 0.3540,
0.2437

■ 33.0057, 0.3661,
0.2288

■ 46.3261, 0.3431,
0.2607

■ 28.5587, 0.3790,
0.2169

■ 55.4163, 0.3334,
0.2786

■ 25.4192, 0.3924,
0.2093

■ 66.2545, 0.3251,
0.2967

■ 23.4333, 0.4059,
0.2066

■ 78.9274, 0.3179,
0.3145

■ 22.3809, 0.4189,
0.2087

■ 93.5160, 0.3119,
0.3314

■ 22.2619, 0.4208,
0.2092

■ 98.0595, 0.3073,
0.3303

■ 98.1444, 0.3065,
0.3290

Harmonies

Analogous

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



38.8883, 0.2666, 0.2097



38.8883, 0.3540, 0.2437



38.8883, 0.4391, 0.2950

Triad

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



38.8883, 0.3540, 0.2437



38.8883, 0.4175, 0.4730



38.8883, 0.1670, 0.2645

Complementary

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



38.8883, 0.3540, 0.2437



72.3609, 0.2878, 0.4351

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.



38.8883, 0.1960, 0.3495



38.8883, 0.3540, 0.2437



38.8883, 0.3388, 0.4918

Square

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



38.8883, 0.3540, 0.2437



38.8883, 0.4729, 0.4183



38.8883, 0.2576, 0.4442



38.8883, 0.1700, 0.2150

Rectangle

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



38.8883, 0.3540, 0.2437



38.8883, 0.4753, 0.3347



38.8883, 0.2576, 0.4442



38.8883, 0.1729, 0.2893

Sweetspot

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



38.8901, 0.3540, 0.2437



77.2346, 0.3224, 0.3030



29.1736, 0.2456, 0.1848



15.9272, 0.3240, 0.2992



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.



38.8901, 0.3540, 0.2437



36.4010, 0.3655, 0.2293



36.5329, 0.4206, 0.3037



16.6755, 0.3186, 0.3128



12.0239, 0.4188, 0.2081



1.0752, 0.4034, 0.1996

Inverse Universe

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



38.8901, 0.3540, 0.2437



36.4010, 0.3655, 0.2293



74.9460, 0.2594, 0.3579



16.6755, 0.3186, 0.3128



12.0239, 0.4188, 0.2081



1.0752, 0.4034, 0.1996

Previews

White Background



This preview shows how the Yxy color 38.8883, 0.3540, 0.2437 looks on a white background.

Color Contrast Check

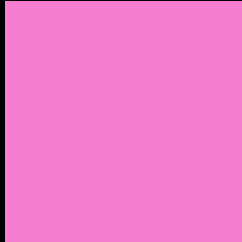
Large Text (above 18pt) WCAG AA × Fail

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 38.8883, 0.3540, 0.2437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

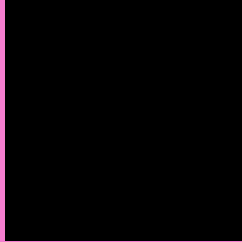
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8883, 0.3540, 0.2437

Background



This preview shows how black text looks on a background with the Yxy color 38.8883, 0.3540, 0.2437.



This preview shows how white text looks on a background with the Yxy color 38.8883, 0.3540, 0.2437.

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

38.8883, 0.3540, 0.2437

Protanopia

39.4979, 0.2458, 0.2381

Deuteranopia

39.0928, 0.2860, 0.2797



Tritanopia

38.9859, 0.4101, 0.3181

Trichromacy



Original Color

38.8883, 0.3540, 0.2437



Protanomaly

37.5693, 0.2781, 0.2370



Deuteranomaly

37.9081, 0.3083, 0.2622



Tritanomaly

38.6532, 0.3901, 0.2896

Monochromacy



Original Color

38.8883, 0.3540, 0.2437



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.9091, 0.3280, 0.2923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8883, 0.3540, 0.2437 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, 126, 208)` looks like.

```
.text, #text, p{  
    color:rgb(245, 126, 208)  
}
```

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, 126, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 126, 208) }
```

Border

The CSS property to change the border of an element to Yxy 38.8883, 0.3540, 0.2437 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, 126, 208) }
```

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

```
.border{ border-color:rgb(245, 126, 208) }
```

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

Here you see how a box with a 4 pixel rgb(245, 126, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 126, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 126, 208);  
box-shadow:4px 4px 4px 4px rgb(245, 126,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8883, 0.3540, 0.2437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 126, 208) }
```

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

```
.background{ background-color: rgb(245,  
126, 208) }
```

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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