

Converting Colors

$Y_{xy}(35.4550, 0.3583, 0.2415)$

Have a look what the booklet for
Yxy(35.4550, 0.3583, 0.2415)
contains.

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Color

Yxy(35.4777, 0.3579, 0.2418)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EF76C8 |
| RGB | 239, 118, 200 |
| RGB Percent | 94%, 46%, 78% |
| CMY | 0.0626, 0.5374, 0.2156 |
| CMYK | 0.00, 0.51, 0.16, 0.06 |
| HSL | 319°, 79%, 70% |
| HSV | 319°, 51%, 94% |
| XYZ | 52.5123, 35.4777, 58.7333 |
| YIQ | 163.5270, 45.7940, 51.1540 |

Conversions

Conversions Part 2

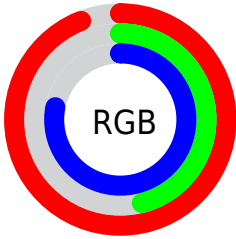
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 239, 118, 200 |
| Decimal | 15693512 |
| CIE _{Lab} | 66.12, 56.32, -21.22 |
| CIE _{LCh} | 66, 60.182, 339.352 |
| Yxy | 35.4777, 0.3579, 0.2418 |
| Android (android.graphics.Color) | 4293883592 (0xFFEF76C8) |
| YUV | 163.5270, 17.9812, 66.1898 |
| Hunter-Lab | 59.5632, 53.1343, -16.7698 |

Details

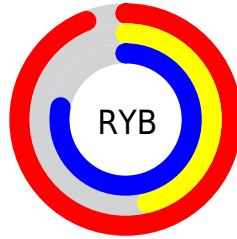
The Yxy color **35.4777, 0.3579, 0.2418** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **68.0418, 0.2864, 0.4385**, and the grayscale version is **36.7835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7521, 0.3164, 0.2498**, and **15.3336, 0.3688, 0.2193** is the 20% darker color. If you saturate the color by 10%, you get **30.1952, 0.3707, 0.2276**, and if you desaturate by 10%, it is **42.2078, 0.3463, 0.2582**.

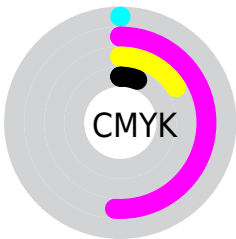
Distribution



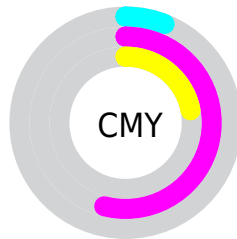
- Red (94%)
- Green (46%)
- Blue (78%)



- Red (94%)
- Yellow (46%)
- Blue (78%)



- Cyan (0%)
- Magenta (51%)
- Yellow (16%)
- Black (6%)



- Cyan (6%)
- Magenta (54%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4777, 0.3579, 0.2418 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 35.4777, 0.3579, 0.2418 by changing the saturation by 10% instead.


 35.4777, 0.3579,
0.2418


 35.4777, 0.3579,
0.2418


326.6719, 0.3360,
0.2838

 24.0311, 0.3631,
0.2318


 68.2251, 0.3501,
0.2567

 15.3567, 0.3697,
0.2194


 90.2948, 0.3471,
0.2624

 9.0701, 0.3782,
0.2034


 116.6742, 0.3446,
0.2673

 4.7869, 0.3896,
0.1822

147.7478, 0.3424,
0.2715

 2.1228, 0.4054,
0.1532

183.8999, 0.3405,
0.2751

 0.6774, 0.4294,
0.1097

225.5151, 0.3388,

 0.0000, 0.4889,

0.2784

0.0000

272.9776, 0.3373,
0.2813

0.0000, 0.0000,
0.0000

35.4777, 0.3579,
0.2418

35.4777, 0.3579,
0.2418

30.1952, 0.3707,
0.2276

42.2078, 0.3463,
0.2582

26.2451, 0.3843,
0.2168

50.4793, 0.3361,
0.2757

23.5028, 0.3984,
0.2103

60.3837, 0.3272,
0.2936

21.8175, 0.4124,
0.2088

72.0041, 0.3195,
0.3111

20.9664, 0.4251,
0.2116

85.4178, 0.3131,
0.3279

96.5472, 0.3079,
0.3376

97.0309, 0.3035,
0.3300

97.0981, 0.3030,
0.3290

Harmonies

Analogous

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



35.4777, 0.2666, 0.2063



35.4777, 0.3579, 0.2418



35.4777, 0.4462, 0.2948

Triad

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



35.4777, 0.3579, 0.2418



35.4777, 0.4187, 0.4792



35.4777, 0.1617, 0.2597

Complementary

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



35.4777, 0.3579, 0.2418



68.0418, 0.2864, 0.4385

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.



35.4777, 0.1903, 0.3474



35.4777, 0.3579, 0.2418



35.4777, 0.3368, 0.4989

Square

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



35.4777, 0.3579, 0.2418



35.4777, 0.4776, 0.4220



35.4777, 0.2530, 0.4476



35.4777, 0.1658, 0.2100

Rectangle

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



35.4777, 0.3579, 0.2418



35.4777, 0.4830, 0.3357



35.4777, 0.2530, 0.4476



35.4777, 0.1674, 0.2850

Sweetspot

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



35.4794, 0.3579, 0.2418



77.2081, 0.3227, 0.3035



26.2839, 0.2438, 0.1788



15.9208, 0.3244, 0.2997



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.



35.4794, 0.3579, 0.2418



34.6702, 0.3714, 0.2269



33.2069, 0.4302, 0.3051



15.9397, 0.3187, 0.3131



11.6068, 0.4231, 0.2104



0.9837, 0.4062, 0.2011

Inverse Universe

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



35.4794, 0.3579, 0.2418



34.6702, 0.3714, 0.2269



70.6093, 0.2569, 0.3567



15.9397, 0.3187, 0.3131



11.6068, 0.4231, 0.2104



0.9837, 0.4062, 0.2011

Previews

White Background



This preview shows how the Yxy color 35.4777, 0.3579, 0.2418 looks on a white background.

Color Contrast Check

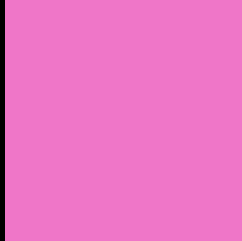
Large Text (above 18pt) WCAG AA × Fail

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 35.4777, 0.3579, 0.2418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

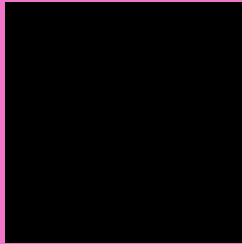
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.4777, 0.3579, 0.2418

Background



This preview shows how black text looks on a background with the Yxy color 35.4777, 0.3579, 0.2418.



This preview shows how white text looks on a background with the Yxy color 35.4777, 0.3579, 0.2418.

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

35.4777, 0.3579, 0.2418

Protanopia

35.9984, 0.2437, 0.2350

Deuteranopia

35.5413, 0.2857, 0.2792



Tritanopia

35.4497, 0.4181, 0.3191

Trichromacy



Original Color

35.4777, 0.3579, 0.2418



Protanomaly

34.1750, 0.2768, 0.2339



Deuteranomaly

34.4493, 0.3090, 0.2611



Tritanomaly

35.1925, 0.3959, 0.2888

Monochromacy



Original Color

35.4777, 0.3579, 0.2418



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.1181, 0.3287, 0.2896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4777, 0.3579, 0.2418 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(239, 118, 200)` looks like.

```
.text, #text, p{  
    color:rgb(239, 118, 200)  
}
```

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(239, 118, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 118, 200) }
```

Border

The CSS property to change the border of an element to Yxy 35.4777, 0.3579, 0.2418 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(239, 118, 200) }
```

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

```
.border{ border-color:rgb(239, 118, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 118, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 118, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 118, 200);  
box-shadow:4px 4px 4px 4px rgb(239, 118,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4777, 0.3579, 0.2418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 118, 200) }
```

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

```
.background{ background-color: rgb(239,  
118, 200) }
```

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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