

Converting Colors

$Y_{xy}(35.5883, 0.3554, 0.2405)$

Have a look what the booklet for
Yxy(35.5883, 0.3554, 0.2405)
contains.

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Color

Yxy(35.6351, 0.3545, 0.2406)

Conversions

Conversions Part 1

Format	Color
Hex	EE77CA
RGB	238, 119, 202
RGB Percent	93%, 47%, 79%
CMY	0.0668, 0.5332, 0.2080
CMYK	0.00, 0.50, 0.15, 0.07
HSL	318°, 78%, 70%
HSV	318°, 50%, 93%
XYZ	52.5048, 35.6351, 59.9695
YIQ	164.0430, 44.2810, 51.0410

Conversions

Conversions Part 2

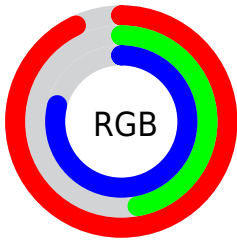
Format	Color
R _{YB}	238, 119, 202
Decimal	15628234
CIE Lab	66.24, 55.77, -22.15
CIE LCh	66, 60.011, 338.343
Yxy	35.6351, 0.3545, 0.2406
Android (android.graphics.Color)	4293818314 (0xFFEE77CA)
YUV	164.0430, 18.7128, 64.8603
Hunter-Lab	59.6951, 52.5328, -17.7759

Details

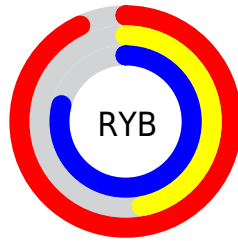
The Yxy color **35.6351, 0.3545, 0.2406** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **67.4191, 0.2878, 0.4400**, and the grayscale version is **37.0435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1399, 0.3164, 0.2508**, and **15.5082, 0.3654, 0.2180** is the 20% darker color. If you saturate the color by 10%, you get **30.3288, 0.3663, 0.2259**, and if you desaturate by 10%, it is **42.3786, 0.3437, 0.2575**.

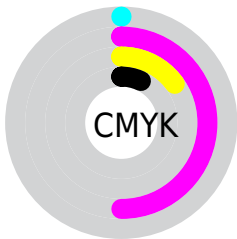
Distribution



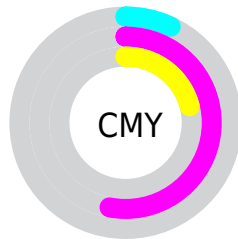
- Red (93%)
- Green (47%)
- Blue (79%)



- Red (93%)
- Yellow (47%)
- Blue (79%)



- Cyan (0%)
- Magenta (50%)
- Yellow (15%)
- Black (7%)





- Cyan (7%)
- Magenta (53%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6351, 0.3545, 0.2406 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 35.6351, 0.3545, 0.2406 by changing the saturation by 10% instead.


 35.6351, 0.3545,
0.2406


 35.6351, 0.3545,
0.2406


327.3628, 0.3344,
0.2831


 24.1525, 0.3593,
0.2306


 68.4685, 0.3474,
0.2556

 15.4468, 0.3652,
0.2180


 90.5881, 0.3447,
0.2614

 9.1336, 0.3728,
0.2019


 117.0221, 0.3423,
0.2663

 4.8284, 0.3829,
0.1807

148.1550, 0.3403,
0.2706

 2.1469, 0.3967,
0.1517

184.3711, 0.3386,
0.2743

 0.6908, 0.4172,
0.1087

226.0548, 0.3370,

 0.0000, 0.4689,

0.2776

0.0000

273.5906, 0.3356,
0.2805

■ 0.0000, 0.0000,
0.0000

■ 35.6351, 0.3545,
0.2406

■ 35.6351, 0.3545,
0.2406

■ 30.3288, 0.3663,
0.2259

■ 42.3786, 0.3437,
0.2575

■ 26.3464, 0.3789,
0.2144

■ 50.6510, 0.3342,
0.2755

■ 23.5663, 0.3919,
0.2073


■ 60.5426, 0.3259,
0.2938

■ 21.8413, 0.4049,
0.2050

■ 72.1349, 0.3187,
0.3118


■ 20.9235, 0.4174,
0.2073

■ 85.5041, 0.3127,
0.3290

 20.9216, 0.4174,
0.2073

 96.2941, 0.3078,
0.3387

 96.7431, 0.3038,
0.3315

 96.9105, 0.3023,
0.3290

Harmonies

Analogous

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



35.6351, 0.2641, 0.2060



35.6351, 0.3545, 0.2406



35.6351, 0.4432, 0.2930

Triad

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



35.6351, 0.3545, 0.2406



35.6351, 0.4209, 0.4771



35.6351, 0.1627, 0.2624

Complementary

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



35.6351, 0.3545, 0.2406



67.4191, 0.2878, 0.4400

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.



35.6351, 0.1924, 0.3508



35.6351, 0.3545, 0.2406



35.6351, 0.3397, 0.4985

Square

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



35.6351, 0.3545, 0.2406



35.6351, 0.4784, 0.4196



35.6351, 0.2558, 0.4499



35.6351, 0.1656, 0.2115

Rectangle

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



35.6351, 0.3545, 0.2406



35.6351, 0.4810, 0.3336



35.6351, 0.2558, 0.4499



35.6351, 0.1687, 0.2880

Sweetspot

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



35.6368, 0.3545, 0.2406



77.2536, 0.3222, 0.3027



26.3148, 0.2433, 0.1804



15.9318, 0.3238, 0.2989



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.



35.6368, 0.3545, 0.2406



35.3511, 0.3666, 0.2256



33.3518, 0.4253, 0.3031



15.9452, 0.3184, 0.3127



11.7004, 0.4155, 0.2063



0.9909, 0.4000, 0.1977

Inverse Universe

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



35.6368, 0.3545, 0.2406



35.3511, 0.3666, 0.2256



69.9156, 0.2584, 0.3589



15.9452, 0.3184, 0.3127



11.7004, 0.4155, 0.2063



0.9909, 0.4000, 0.1977

Previews

White Background



This preview shows how the Yxy color 35.6351, 0.3545, 0.2406 looks on a white background.

Color Contrast Check

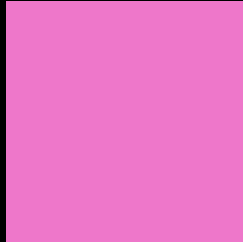
Large Text (above 18pt) WCAG AA × Fail

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 35.6351, 0.3545, 0.2406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

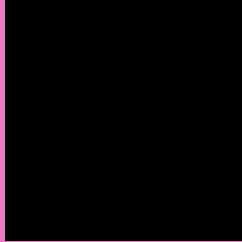
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.6351, 0.3545, 0.2406

Background



This preview shows how black text looks on a background with the Yxy color 35.6351, 0.3545, 0.2406.



This preview shows how white text looks on a background with the Yxy color 35.6351, 0.3545, 0.2406.

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

35.6351, 0.3545, 0.2406

Protanopia

36.0257, 0.2419, 0.2327

Deuteranopia

35.8674, 0.2834, 0.2779



Tritanopia

35.6113, 0.4142, 0.3178

Trichromacy



Original Color

35.6351, 0.3545, 0.2406



Protanomaly

34.1656, 0.2744, 0.2316



Deuteranomaly

34.7151, 0.3062, 0.2599



Tritanomaly

35.3515, 0.3921, 0.2875

Monochromacy



Original Color

35.6351, 0.3545, 0.2406



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.4705, 0.3276, 0.2897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6351, 0.3545, 0.2406 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(238, 119, 202)` looks like.

```
.text, #text, p{  
    color:rgb(238, 119, 202)  
}
```

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(238, 119, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 119, 202) }
```

Border

The CSS property to change the border of an element to Yxy 35.6351, 0.3545, 0.2406 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(238, 119, 202) }
```

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

```
.border{ border-color:rgb(238, 119, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 119, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 119, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 119, 202);  
box-shadow:4px 4px 4px 4px rgb(238, 119,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6351, 0.3545, 0.2406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 119, 202) }
```

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

```
.background{ background-color: rgb(238,  
119, 202) }
```

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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