

Converting Colors

$Y_{xy}(35.8798, 0.3962, 0.2911)$

Have a look what the booklet for
Yxy(35.8798, 0.3962, 0.2911)
contains.

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Color

Yxy(35.8798, 0.3962, 0.2911)

Conversions

Conversions Part 1

Format	Color
Hex	EC80A2
RGB	236, 128, 162
RGB Percent	93%, 50%, 64%
CMY	0.0745, 0.4980, 0.3646
CMYK	0.00, 0.46, 0.31, 0.07
HSL	341°, 74%, 71%
HSV	341°, 46%, 93%
XYZ	48.8340, 35.8798, 38.5421
YIQ	164.1680, 53.4540, 33.4700

Conversions

Conversions Part 2

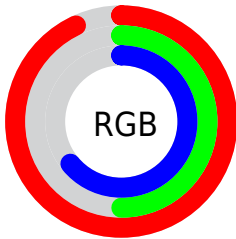
Format	Color
R _Y B	236, 128, 162
Decimal	15499426
CIE _{Lab}	66.43, 45.17, 0.64
CIE _{LCh}	66, 45.177, 0.811
Y _{xy}	35.8798, 0.3962, 0.2911
Android (android.graphics.Color)	4293689506 (0xFFEC80A2)
Y _{UV}	164.1680, -1.0688, 62.9967
Hunter-Lab	59.8997, 40.6997, 3.7800

Details

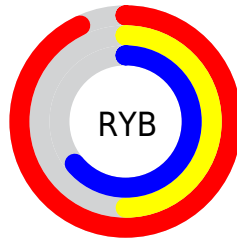
The Yxy color **35.8798, 0.3962, 0.2911** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **68.8440, 0.2680, 0.3722**, and the grayscale version is **37.1961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1367, 0.3459, 0.2943**, and **15.5270, 0.4211, 0.2781** is the 20% darker color. If you saturate the color by 10%, you get **29.8858, 0.4255, 0.2841**, and if you desaturate by 10%, it is **43.3829, 0.3712, 0.2993**.

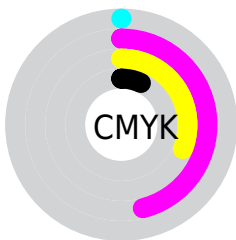
Distribution



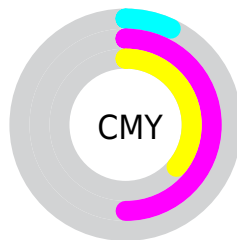
- Red (93%)
- Green (50%)
- Blue (64%)



- Red (93%)
- Yellow (50%)
- Blue (64%)



- Cyan (0%)
- Magenta (46%)
- Yellow (31%)
- Black (7%)




- Cyan (7%)
- Magenta (50%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8798, 0.3962, 0.2911 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 35.8798, 0.3962, 0.2911 by changing the saturation by 10% instead.


 35.8798, 0.3962,
0.2911


 35.8798, 0.3962,
0.2911


328.4349, 0.3527,
0.3109

 24.3414, 0.4076,
0.2859


 68.8465, 0.3800,
0.2985

 15.5870, 0.4225,
0.2791


 91.0436, 0.3740,
0.3012

 9.2324, 0.4428,
0.2697


 117.5623, 0.3691,
0.3035

 4.8931, 0.4721,
0.2562

148.7871, 0.3648,
0.3054

 2.1847, 0.5176,
0.2351

185.1024, 0.3612,
0.3071

 0.7116, 0.6008,
0.1970

226.8925, 0.3580,

 0.0000, 1.0000,

0.3085

0.0000

274.5419, 0.3552,
0.3098

0.0000, 0.0000,
0.0000

35.8798, 0.3962,
0.2911

35.8798, 0.3962,
0.2911

29.8858, 0.4255,
0.2841

43.3829, 0.3712,
0.2993

25.2919, 0.4588,
0.2794

52.4832, 0.3505,
0.3079

21.9833, 0.4945,
0.2782


63.2687, 0.3334,
0.3164

19.8240, 0.5302,
0.2816

75.8191, 0.3195,
0.3246

18.6469, 0.5624,
0.2898

90.2091, 0.3082,
0.3321

 18.3317, 0.5747,
0.2940

 96.5729, 0.3011,
0.3290

Harmonies

Analogous

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



35.8798, 0.3274, 0.2512



35.8798, 0.3962, 0.2911



35.8798, 0.4418, 0.3406

Triad

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



35.8798, 0.3962, 0.2911



35.8798, 0.3538, 0.4556



35.8798, 0.1935, 0.2466

Complementary

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



35.8798, 0.3962, 0.2911



68.8440, 0.2680, 0.3722

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.



35.8798, 0.1985, 0.2955



35.8798, 0.3962, 0.2911



35.8798, 0.2873, 0.4302

Square

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



35.8798, 0.3962, 0.2911



35.8798, 0.4126, 0.4365



35.8798, 0.2311, 0.3655



35.8798, 0.2149, 0.2248

Rectangle

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



35.8798, 0.3962, 0.2911



35.8798, 0.4498, 0.3753



35.8798, 0.2311, 0.3655



35.8798, 0.1921, 0.2599

Sweetspot

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



35.8816, 0.3962, 0.2911



77.8235, 0.3309, 0.3178



34.0244, 0.2865, 0.2067



16.0070, 0.3341, 0.3160



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.



35.8816, 0.3962, 0.2911



35.9650, 0.4239, 0.2844



40.5097, 0.4257, 0.3516



15.1322, 0.3243, 0.3216



10.1254, 0.5705, 0.2917



0.8119, 0.5313, 0.2700

Inverse Universe

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



35.8816, 0.3962, 0.2911



35.9650, 0.4239, 0.2844



59.8603, 0.2471, 0.3041



15.1322, 0.3243, 0.3216



10.1254, 0.5705, 0.2917



0.8119, 0.5313, 0.2700

Previews

White Background



This preview shows how the Yxy color 35.8798, 0.3962, 0.2911 looks on a white background.

Color Contrast Check

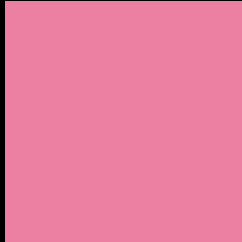
Large Text (above 18pt) WCAG AA × Fail

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 35.8798, 0.3962, 0.2911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

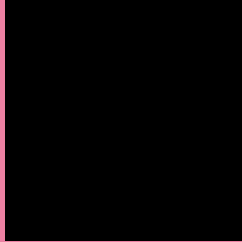
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8798, 0.3962, 0.2911

Background



This preview shows how black text looks on a background with the Yxy color 35.8798, 0.3962, 0.2911.



This preview shows how white text looks on a background with the Yxy color 35.8798, 0.3962, 0.2911.

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

35.8798, 0.3962, 0.2911

Protanopia

36.2381, 0.2930, 0.2992

Deuteranopia

36.1320, 0.3345, 0.3291



Tritanopia

35.9180, 0.4175, 0.3191

Trichromacy



Original Color

35.8798, 0.3962, 0.2911

Protanomaly

35.1548, 0.3264, 0.2944

Deuteranomaly

35.3403, 0.3565, 0.3122

Tritanomaly

36.0647, 0.4095, 0.3089

Monochromacy



Original Color

35.8798, 0.3962, 0.2911

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

35.7247, 0.3409, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8798, 0.3962, 0.2911 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(236, 128, 162)` looks like.

```
.text, #text, p{  
    color:rgb(236, 128, 162)  
}
```

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(236, 128, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 128, 162) }
```

Border

The CSS property to change the border of an element to Yxy 35.8798, 0.3962, 0.2911 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(236, 128, 162) }
```

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

```
.border{ border-color:rgb(236, 128, 162) }
```

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

Here you see how a box with a 4 pixel rgb(236, 128, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 128, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 128, 162);  
box-shadow:4px 4px 4px 4px rgb(236, 128,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8798, 0.3962, 0.2911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 128, 162) }
```

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

```
.background{ background-color: rgb(236,  
128, 162) }
```

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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