

Converting Colors

$Y_{xy}(34.8905, 0.3766, 0.2685)$

Have a look what the booklet for
Yxy(34.8905, 0.3766, 0.2685)
contains.

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Color

Yxy(34.8727, 0.3768, 0.2679)

Conversions

Conversions Part 1

Format	Color
Hex	EA7BB2
RGB	234, 123, 178
RGB Percent	92%, 48%, 70%
CMY	0.0823, 0.5176, 0.3021
CMYK	0.00, 0.47, 0.24, 0.08
HSL	330°, 73%, 70%
HSV	330°, 47%, 92%
XYZ	49.0483, 34.8727, 46.2496
YIQ	162.4590, 48.5010, 40.6370

Conversions

Conversions Part 2

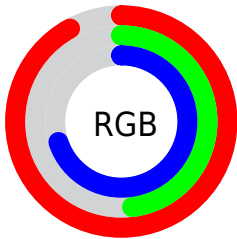
Format	Color
RYB	234, 123, 178
Decimal	15367090
CIELab	65.65, 49.11, -9.57
CIElCh	66, 50.036, 348.977
Yxy	34.8727, 0.3768, 0.2679
Android (android.graphics.Color)	4293557170 (0xFFEA7BB2)
YUV	162.4590, 7.6617, 62.7415
Hunter-Lab	59.0531, 44.9154, -5.0980

Details

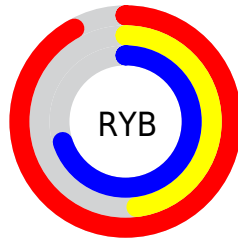
The Yxy color **34.8727, 0.3768, 0.2679** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **66.3144, 0.2770, 0.4016**, and the grayscale version is **36.3051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0413, 0.3326, 0.2727**, and **15.0911, 0.3969, 0.2517** is the 20% darker color. If you saturate the color by 10%, you get **29.2914, 0.3976, 0.2568**, and if you desaturate by 10%, it is **41.8856, 0.3587, 0.2806**.

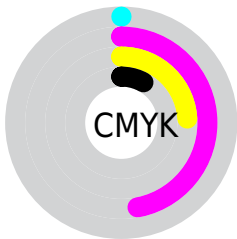
Distribution



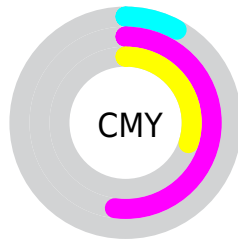
- Red (92%)
- Green (48%)
- Blue (70%)



- Red (92%)
- Yellow (48%)
- Blue (70%)



- Cyan (0%)
- Magenta (47%)
- Yellow (24%)
- Black (8%)



- Cyan (8%)
- Magenta (52%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8727, 0.3768, 0.2679 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 34.8727, 0.3768, 0.2679 by changing the saturation by 10% instead.


 34.8727, 0.3768,
0.2679


 34.8727, 0.3768,
0.2679


324.0061, 0.3440,
0.2985

 23.5648, 0.3852,
0.2603


 67.2885, 0.3647,
0.2790

 15.0111, 0.3961,
0.2506


 89.1652, 0.3602,
0.2832

 8.8272, 0.4108,
0.2377


 115.3337, 0.3565,
0.2867

 4.6286, 0.4317,
0.2199

146.1783, 0.3532,
0.2897

 2.0311, 0.4635,
0.1938

182.0835, 0.3505,
0.2923

 0.6254, 0.5199,
0.1480

223.4336, 0.3480,

 0.0000, 0.8369,

0.2946

0.0000

270.6130, 0.3459,
0.2967

0.0000, 0.0000,
0.0000

34.8727, 0.3768,
0.2679

34.8727, 0.3768,
0.2679

29.2914, 0.3976,
0.2568

41.8856, 0.3587,
0.2806

25.0352, 0.4208,
0.2485

50.4165, 0.3432,
0.2939

21.9906, 0.4456,
0.2442

60.5509, 0.3303,
0.3071

20.0227, 0.4708,
0.2451

72.3666, 0.3195,
0.3199

18.9527, 0.4951,
0.2514

85.9360, 0.3106,
0.3320

 18.7506, 0.5012,
0.2535

 95.8427, 0.3033,
0.3351

 96.2326, 0.2999,
0.3290

Harmonies

Analogous

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



34.8727, 0.2978, 0.2308



34.8727, 0.3768, 0.2679



34.8727, 0.4418, 0.3184

Triad

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



34.8727, 0.3768, 0.2679



34.8727, 0.3848, 0.4666



34.8727, 0.1803, 0.2545

Complementary

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



34.8727, 0.3768, 0.2679



66.3144, 0.2770, 0.4016

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.



34.8727, 0.1970, 0.3197



34.8727, 0.3768, 0.2679



34.8727, 0.3121, 0.4615

Square

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



34.8727, 0.3768, 0.2679



34.8727, 0.4420, 0.4291



34.8727, 0.2435, 0.4021



34.8727, 0.1924, 0.2199

Rectangle

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



34.8727, 0.3768, 0.2679



34.8727, 0.4630, 0.3557



34.8727, 0.2435, 0.4021



34.8727, 0.1826, 0.2730

Sweetspot

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



34.8744, 0.3768, 0.2679



78.1928, 0.3264, 0.3115



29.6341, 0.2668, 0.1956



16.0965, 0.3289, 0.3087



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.



34.8744, 0.3768, 0.2679



35.6984, 0.3972, 0.2570



33.0916, 0.4439, 0.3294



15.1784, 0.3215, 0.3174



10.5621, 0.4977, 0.2515



0.8488, 0.4666, 0.2344

Inverse Universe

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



34.8744, 0.3768, 0.2679



35.6984, 0.3972, 0.2570



68.9986, 0.2499, 0.3288



15.1784, 0.3215, 0.3174



10.5621, 0.4977, 0.2515



0.8488, 0.4666, 0.2344

Previews

White Background



This preview shows how the Yxy color 34.8727, 0.3768, 0.2679 looks on a white background.

Color Contrast Check

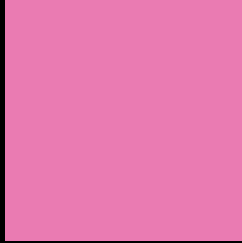
Large Text (above 18pt) WCAG AA × Fail

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 34.8727, 0.3768, 0.2679 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 34.8727, 0.3768, 0.2679

Background



This preview shows how black text looks on a background with the Yxy color 34.8727, 0.3768, 0.2679.



This preview shows how white text looks on a background with the Yxy color 34.8727, 0.3768, 0.2679.

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

34.8727, 0.3768, 0.2679

Protanopia

35.0603, 0.2697, 0.2689

Deuteranopia

35.0059, 0.3110, 0.3037



Tritanopia

34.6817, 0.4155, 0.3178

Trichromacy



Original Color

34.8727, 0.3768, 0.2679



Protanomaly

33.8044, 0.3030, 0.2655



Deuteranomaly

34.0775, 0.3333, 0.2871



Tritanomaly

34.5008, 0.4010, 0.2983

Monochromacy



Original Color

34.8727, 0.3768, 0.2679



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.6983, 0.3344, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8727, 0.3768, 0.2679 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(234, 123, 178)` looks like.

```
.text, #text, p{  
    color:rgb(234, 123, 178)  
}
```

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(234, 123, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 123, 178) }
```

Border

The CSS property to change the border of an element to Yxy 34.8727, 0.3768, 0.2679 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(234, 123, 178) }
```

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

```
.border{ border-color:rgb(234, 123, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 123, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 123, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 123, 178);  
box-shadow:4px 4px 4px 4px rgb(234, 123,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8727, 0.3768, 0.2679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 123, 178) }
```

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

```
.background{ background-color: rgb(234,  
123, 178) }
```

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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