

Converting Colors

$Y_{xy}(33.9752, 0.3731, 0.2574)$

Have a look what the booklet for
Yxy(33.9752, 0.3731, 0.2574)
contains.

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Color

Yxy(34.0379, 0.3731, 0.2577)

Conversions

Conversions Part 1

Format	Color
Hex	EB76B7
RGB	235, 118, 183
RGB Percent	92%, 46%, 72%
CMY	0.0785, 0.5372, 0.2824
CMYK	0.00, 0.50, 0.22, 0.08
HSL	327°, 74%, 69%
HSV	327°, 50%, 92%
XYZ	49.2803, 34.0379, 48.7652
YIQ	160.3930, 48.8670, 45.0190

Conversions

Conversions Part 2

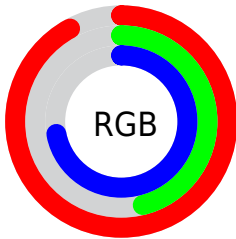
Format	Color
R _Y B	235, 118, 183
Decimal	15431351
CIE Lab	64.99, 52.58, -13.38
CIE LCh	65, 54.250, 345.725
Yxy	34.0379, 0.3731, 0.2577
Android (android.graphics.Color)	4293621431 (0xFFEB76B7)
YUV	160.3930, 11.1453, 65.4303
Hunter-Lab	58.3420, 48.6769, -8.7182

Details

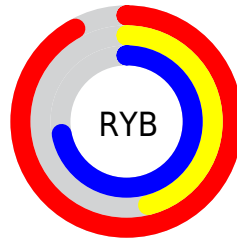
The Yxy color **34.0379, 0.3731, 0.2577** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **66.1609, 0.2794, 0.4159**, and the grayscale version is **35.2778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3791, 0.3290, 0.2631**, and **14.6256, 0.3914, 0.2386** is the 20% darker color. If you saturate the color by 10%, you get **28.7574, 0.3915, 0.2458**, and if you desaturate by 10%, it is **40.7323, 0.3568, 0.2715**.

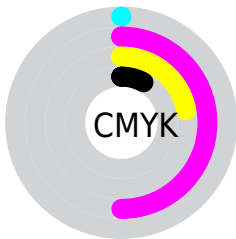
Distribution



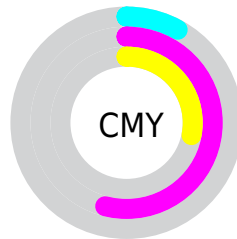
- Red (92%)
- Green (46%)
- Blue (72%)



- Red (92%)
- Yellow (46%)
- Blue (72%)



- Cyan (0%)
- Magenta (50%)
- Yellow (22%)
- Black (8%)




- Cyan (8%)
- Magenta (54%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0379, 0.3731, 0.2577 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 34.0379, 0.3731, 0.2577 by changing the saturation by 10% instead.


 34.0379, 0.3731,
0.2577


 34.0379, 0.3731,
0.2577


320.3010, 0.3425,
0.2930

 22.9227, 0.3809,
0.2490


 65.9926, 0.3619,
0.2704

 14.5365, 0.3909,
0.2380


 87.6009, 0.3577,
0.2753

 8.4947, 0.4043,
0.2235

 113.4757, 0.3542,
0.2793

 4.4131, 0.4231,
0.2038

144.0014, 0.3511,
0.2828

 1.9072, 0.4512,
0.1754

179.5624, 0.3485,
0.2859

 0.5527, 0.5018,
0.1246

220.5431, 0.3463,

 0.0000, 0.6952,

0.2886

0.0000


267.3278, 0.3443,
0.2909


 0.0000, 0.0000,
0.0000


 34.0379, 0.3731,
0.2577


 34.0379, 0.3731,
0.2577

 28.7574, 0.3915,
0.2458


 40.7323, 0.3568,
0.2715


 24.7808, 0.4116,
0.2370


 48.9299, 0.3428,
0.2863

 21.9899, 0.4328,
0.2325


 58.7184, 0.3309,
0.3011


 20.2424, 0.4542,
0.2333


 70.1773, 0.3209,
0.3156

 19.3024, 0.4749,
0.2391

 83.3806, 0.3125,
0.3293

 19.2844, 0.4754,
0.2392

 95.8118, 0.3057,
0.3383

 96.3986, 0.3005,
0.3290

Harmonies

Analogous

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



34.0379, 0.2872, 0.2202



34.0379, 0.3731, 0.2577



34.0379, 0.4479, 0.3102

Triad

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



34.0379, 0.3731, 0.2577



34.0379, 0.3973, 0.4756



34.0379, 0.1706, 0.2534

Complementary

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



34.0379, 0.3731, 0.2577



66.1609, 0.2794, 0.4159

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.



34.0379, 0.1914, 0.3274



34.0379, 0.3731, 0.2577



34.0379, 0.3194, 0.4788

Square

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



34.0379, 0.3731, 0.2577



34.0379, 0.4571, 0.4296



34.0379, 0.2440, 0.4189



34.0379, 0.1804, 0.2134

Rectangle

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



34.0379, 0.3731, 0.2577



34.0379, 0.4745, 0.3496



34.0379, 0.2440, 0.4189



34.0379, 0.1740, 0.2744

Sweetspot

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



34.0396, 0.3731, 0.2577



76.9297, 0.3260, 0.3080



27.3619, 0.2569, 0.1861



15.8536, 0.3281, 0.3049



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.



34.0396, 0.3731, 0.2577



34.3499, 0.3924, 0.2453



32.1229, 0.4442, 0.3208



15.1941, 0.3206, 0.3160



10.7609, 0.4722, 0.2375



0.8643, 0.4455, 0.2228

Inverse Universe

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



34.0396, 0.3731, 0.2577



34.3499, 0.3924, 0.2453



68.8142, 0.2512, 0.3385



15.1941, 0.3206, 0.3160



10.7609, 0.4722, 0.2375



0.8643, 0.4455, 0.2228

Previews

White Background



This preview shows how the Yxy color 34.0379, 0.3731, 0.2577 looks on a white background.

Color Contrast Check

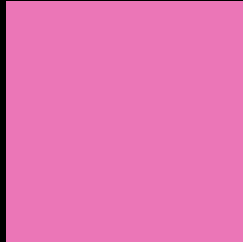
Large Text (above 18pt) WCAG AA × Fail

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 34.0379, 0.3731, 0.2577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

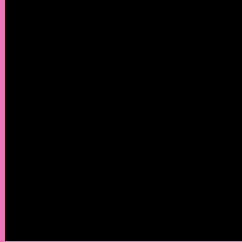
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0379, 0.3731, 0.2577

Background



This preview shows how black text looks on a background with the Yxy color 34.0379, 0.3731, 0.2577.



This preview shows how white text looks on a background with the Yxy color 34.0379, 0.3731, 0.2577.

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

34.0379, 0.3731, 0.2577

Protanopia

34.3097, 0.2598, 0.2554

Deuteranopia

34.2849, 0.3027, 0.2964



Tritanopia

33.8079, 0.4205, 0.3178

Trichromacy



Original Color

34.0379, 0.3731, 0.2577



Protanomaly

32.8632, 0.2939, 0.2527



Deuteranomaly

33.2516, 0.3264, 0.2790



Tritanomaly

33.9042, 0.4031, 0.2951

Monochromacy



Original Color

34.0379, 0.3731, 0.2577



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.6427, 0.3339, 0.2980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0379, 0.3731, 0.2577 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(235, 118, 183)` looks like.

```
.text, #text, p{  
    color:rgb(235, 118, 183)  
}
```

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(235, 118, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 118, 183) }
```

Border

The CSS property to change the border of an element to Yxy 34.0379, 0.3731, 0.2577 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(235, 118, 183) }
```

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

```
.border{ border-color:rgb(235, 118, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 118, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 118, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 118, 183);  
box-shadow:4px 4px 4px 4px rgb(235, 118,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0379, 0.3731, 0.2577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 118, 183) }
```

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

```
.background{ background-color: rgb(235,  
118, 183) }
```

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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