

Converting Colors

$Y_{xy}(35.6775, 0.3763, 0.2868)$

Have a look what the booklet for
Yxy(35.6775, 0.3763, 0.2868)
contains.

Yxy(35.8084, 0.3762, 0.2872)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.8084, 0.3762, 0.2872)

Conversions

Conversions Part 1

Format	Color
Hex	E285A9
RGB	226, 133, 169
RGB Percent	89%, 52%, 66%
CMY	0.1138, 0.4783, 0.3373
CMYK	0.00, 0.41, 0.25, 0.11
HSL	337°, 62%, 70%
HSV	337°, 41%, 89%
XYZ	46.9050, 35.8084, 41.9676
YIQ	164.9110, 43.8720, 30.9120

Conversions

Conversions Part 2

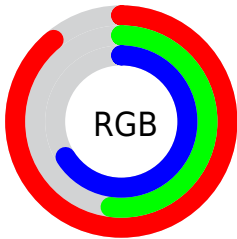
Format	Color
R _{YB}	226, 133, 169
Decimal	14845353
CIE Lab	66.37, 40.06, -3.53
CIE LCh	66, 40.219, 354.968
Yxy	35.8084, 0.3762, 0.2872
Android (android.graphics.Color)	4293035433 (0xFFE285A9)
YUV	164.9110, 2.0159, 53.5751
Hunter-Lab	59.8401, 35.1950, 0.3063

Details

The Yxy color **35.8084, 0.3762, 0.2872** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **63.0840, 0.2752, 0.3761**, and the grayscale version is **37.5580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6083, 0.3395, 0.2925**, and **15.6042, 0.3966, 0.2748** is the 20% darker color. If you saturate the color by 10%, you get **29.7795, 0.4001, 0.2777**, and if you desaturate by 10%, it is **43.2268, 0.3560, 0.2976**.

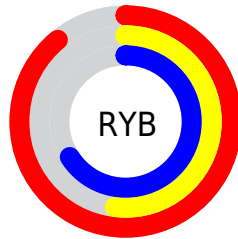
Distribution



Red (89%)

Green (52%)

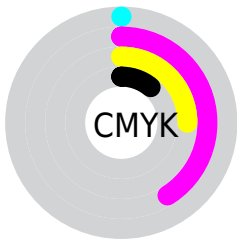
Blue (66%)



Red (89%)

Yellow (52%)

Blue (66%)

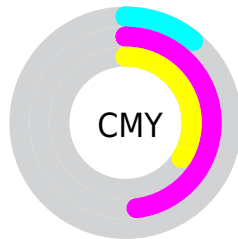


Cyan (0%)

Magenta (41%)

Yellow (25%)

Black (11%)



Cyan (11%)


Magenta (48%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8084, 0.3762, 0.2872 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 35.8084, 0.3762, 0.2872 by changing the saturation by 10% instead.


 35.8084, 0.3762,
0.2872


 35.8084, 0.3762,
0.2872


328.1223, 0.3433,
0.3086


 24.2863, 0.3848,
0.2817


 68.7362, 0.3640,
0.2951

 15.5461, 0.3960,
0.2746


 90.9107, 0.3595,
0.2980

 9.2035, 0.4112,
0.2650


 117.4048, 0.3557,
0.3005

 4.8742, 0.4332,
0.2514

148.6028, 0.3525,
0.3026

 2.1736, 0.4675,
0.2307

184.8891, 0.3497,
0.3044

 0.7056, 0.5291,
0.1930


226.6483, 0.3473,


 0.0000, 1.0000,


0.3059

0.0000


274.2645, 0.3452,
0.3073

 0.0000, 0.0000,
0.0000


 35.8084, 0.3762,
0.2872


 35.8084, 0.3762,
0.2872


 29.7795, 0.4001,
0.2777


 43.2268, 0.3560,
0.2976

 25.0472, 0.4276,
0.2700


 52.1096, 0.3391,
0.3081


 21.5149, 0.4579,
0.2654

 62.5326, 0.3252,
0.3183


 19.0706, 0.4898,
0.2652

 74.5647, 0.3139,
0.3279

 17.5803, 0.5209,
0.2702

 88.2706, 0.3045,
0.3369

 16.8592, 0.5464,
0.2783

 94.7195, 0.2968,
0.3318

 94.9041, 0.2952,
0.3289

Harmonies

Analogous

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



35.8084, 0.3139, 0.2531



35.8084, 0.3762, 0.2872



35.8084, 0.4223, 0.3314

Triad

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



35.8084, 0.3762, 0.2872



35.8084, 0.3618, 0.4410



35.8084, 0.2038, 0.2623

Complementary

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



35.8084, 0.3762, 0.2872



63.0840, 0.2752, 0.3761

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.



35.8084, 0.2136, 0.3111



35.8084, 0.3762, 0.2872



35.8084, 0.3021, 0.4257

Square

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



35.8084, 0.3762, 0.2872



35.8084, 0.4110, 0.4198



35.8084, 0.2483, 0.3741



35.8084, 0.2187, 0.2371

Rectangle

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



35.8084, 0.3762, 0.2872



35.8084, 0.4348, 0.3630



35.8084, 0.2483, 0.3741



35.8084, 0.2043, 0.2761

Sweetspot

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



35.8101, 0.3762, 0.2872



80.8566, 0.3264, 0.3173



33.0638, 0.2829, 0.2173



16.9009, 0.3282, 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.



35.8101, 0.3762, 0.2872



40.4687, 0.3955, 0.2793



37.2996, 0.4133, 0.3403



13.7879, 0.3232, 0.3200



9.6425, 0.5423, 0.2761



0.6855, 0.5008, 0.2533

Inverse Universe

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



35.8101, 0.3762, 0.2872



40.4687, 0.3955, 0.2793



59.9372, 0.2546, 0.3171



13.7879, 0.3232, 0.3200



9.6425, 0.5423, 0.2761



0.6855, 0.5008, 0.2533

Previews

White Background



This preview shows how the Yxy color 35.8084, 0.3762, 0.2872 looks on a white background.

Color Contrast Check

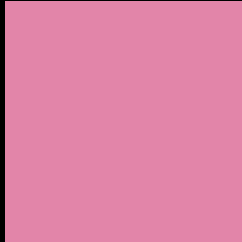
Large Text (above 18pt) WCAG AA × Fail

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 35.8084, 0.3762, 0.2872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

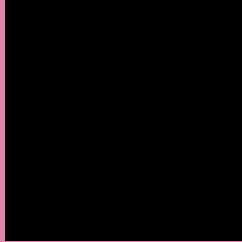
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8084, 0.3762, 0.2872

Background



This preview shows how black text looks on a background with the Yxy color 35.8084, 0.3762, 0.2872.



This preview shows how white text looks on a background with the Yxy color 35.8084, 0.3762, 0.2872.

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

35.8084, 0.3762, 0.2872

Protanopia

36.2030, 0.2880, 0.2937

Deuteranopia

36.0607, 0.3240, 0.3179



Tritanopia

35.8452, 0.3980, 0.3174

Trichromacy



Original Color

35.8084, 0.3762, 0.2872

Protanomaly

35.3736, 0.3165, 0.2901

Deuteranomaly

35.4023, 0.3426, 0.3054

Tritanomaly

35.9824, 0.3902, 0.3068

Monochromacy



Original Color

35.8084, 0.3762, 0.2872

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.1004, 0.3346, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8084, 0.3762, 0.2872 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(226, 133, 169)` looks like.

```
.text, #text, p{  
    color:rgb(226, 133, 169)  
}
```

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(226, 133, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 133, 169) }
```

Border

The CSS property to change the border of an element to Yxy 35.8084, 0.3762, 0.2872 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(226, 133, 169) }
```

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

```
.border{ border-color:rgb(226, 133, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 133, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 133, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 133, 169);  
box-shadow:4px 4px 4px 4px rgb(226, 133,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8084, 0.3762, 0.2872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 133, 169) }
```

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

```
.background{ background-color: rgb(226,  
133, 169) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor