

Converting Colors

$Y_{xy}(34.8870, 0.3640, 0.2662)$

Have a look what the booklet for
Yxy(34.8870, 0.3640, 0.2662)
contains.

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Color

Yxy(34.8870, 0.3640, 0.2662)

Conversions

Conversions Part 1

Format	Color
Hex	E37FB6
RGB	227, 127, 182
RGB Percent	89%, 50%, 71%
CMY	0.1099, 0.5019, 0.2864
CMYK	0.00, 0.44, 0.20, 0.11
HSL	327°, 64%, 69%
HSV	327°, 44%, 89%
XYZ	47.7042, 34.8870, 48.4644
YIQ	163.1700, 41.9450, 38.3050

Conversions

Conversions Part 2

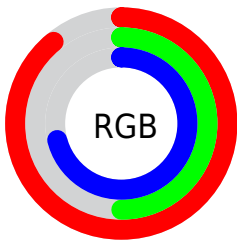
Format	Color
R_{YB}	227, 127, 182
Decimal	14909366
CIE Lab	65.66, 45.37, -11.91
CIE LCh	66, 46.905, 345.290
Yxy	34.8870, 0.3640, 0.2662
Android (android.graphics.Color)	4293099446 (0xFFE37FB6)
YUV	163.1700, 9.2832, 55.9789
Hunter-Lab	59.0652, 40.8020, -7.3031

Details

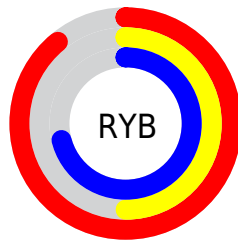
The Yxy color **34.8870, 0.3640, 0.2662** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **62.4189, 0.2820, 0.4030**, and the grayscale version is **36.6526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8889, 0.3291, 0.2730**, and **14.9176, 0.3787, 0.2481** is the 20% darker color. If you saturate the color by 10%, you get **29.2630, 0.3814, 0.2532**, and if you desaturate by 10%, it is **41.8657, 0.3489, 0.2805**.

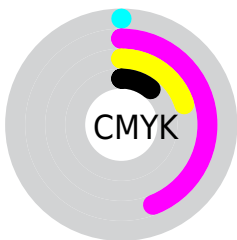
Distribution



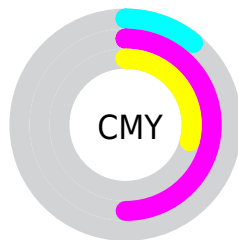
- Red (89%)
- Green (50%)
- Blue (71%)



- Red (89%)
- Yellow (50%)
- Blue (71%)



- Cyan (0%)
- Magenta (44%)
- Yellow (20%)
- Black (11%)



- Cyan (11%)
- Magenta (50%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8870, 0.3640, 0.2662 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 34.8870, 0.3640, 0.2662 by changing the saturation by 10% instead.


 34.8870, 0.3640,
0.2662


 34.8870, 0.3640,
0.2662


324.0693, 0.3380,
0.2975

 23.5758, 0.3706,
0.2585


 67.3107, 0.3545,
0.2775

 15.0193, 0.3791,
0.2486


 89.1920, 0.3509,
0.2818

 8.8329, 0.3906,
0.2356

 115.3655, 0.3479,
0.2854

 4.6324, 0.4067,
0.2177

146.2155, 0.3453,
0.2885

 2.0332, 0.4310,
0.1917

182.1265, 0.3431,
0.2912

 0.6267, 0.4740,
0.1463

223.4829, 0.3412,

 0.0000, 0.6777,

0.2935

0.0000

270.6690, 0.3395,
0.2956

0.0000, 0.0000,
0.0000

34.8870, 0.3640,
0.2662

34.8870, 0.3640,
0.2662

29.2630, 0.3814,
0.2532

41.8657, 0.3489,
0.2805

24.8983, 0.4008,
0.2426

50.2761, 0.3359,
0.2952

21.6930, 0.4218,
0.2356

60.1954, 0.3250,
0.3097


19.5294, 0.4435,
0.2333

71.6937, 0.3159,
0.3236

18.2646, 0.4649,
0.2365

84.8367, 0.3084,
0.3367

 17.8027, 0.4774,
0.2404

 94.3357, 0.3022,
0.3408

 94.9714, 0.2966,
0.3304

 95.0672, 0.2958,
0.3290

Harmonies

Analogous

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



34.8870, 0.2903, 0.2328



34.8870, 0.3640, 0.2662



34.8870, 0.4279, 0.3132

Triad

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



34.8870, 0.3640, 0.2662



34.8870, 0.3891, 0.4558



34.8870, 0.1878, 0.2655

Complementary

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



34.8870, 0.3640, 0.2662



62.4189, 0.2820, 0.4030

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.



34.8870, 0.2076, 0.3299



34.8870, 0.3640, 0.2662



34.8870, 0.3214, 0.4558

Square

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



34.8870, 0.3640, 0.2662



34.8870, 0.4396, 0.4185



34.8870, 0.2550, 0.4059



34.8870, 0.1960, 0.2286

Rectangle

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



34.8870, 0.3640, 0.2662



34.8870, 0.4516, 0.3486



34.8870, 0.2550, 0.4059



34.8870, 0.1912, 0.2842

Sweetspot

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



34.8887, 0.3640, 0.2662



79.7187, 0.3241, 0.3111



29.5007, 0.2666, 0.2045



16.4023, 0.3263, 0.3079



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.



34.8887, 0.3640, 0.2662



38.5590, 0.3801, 0.2540



33.1786, 0.4235, 0.3235



14.5000, 0.3207, 0.3162



10.4088, 0.4744, 0.2387



0.7878, 0.4458, 0.2230

Inverse Universe

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



34.8887, 0.3640, 0.2662



38.5590, 0.3801, 0.2540



64.7124, 0.2558, 0.3351



14.5000, 0.3207, 0.3162



10.4088, 0.4744, 0.2387



0.7878, 0.4458, 0.2230

Previews

White Background



This preview shows how the Yxy color 34.8870, 0.3640, 0.2662 looks on a white background.

Color Contrast Check

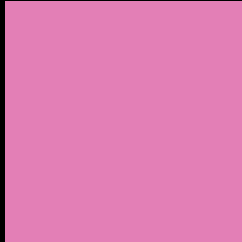
Large Text (above 18pt) WCAG AA × Fail

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 34.8870, 0.3640, 0.2662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

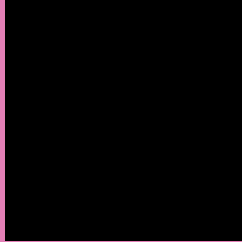
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.8870, 0.3640, 0.2662

Background



This preview shows how black text looks on a background with the Yxy color 34.8870, 0.3640, 0.2662.



This preview shows how white text looks on a background with the Yxy color 34.8870, 0.3640, 0.2662.

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

34.8870, 0.3640, 0.2662

Protanopia

35.1551, 0.2682, 0.2664

Deuteranopia

35.2761, 0.3055, 0.2996



Tritanopia

34.7518, 0.4017, 0.3173

Trichromacy



Original Color

34.8870, 0.3640, 0.2662



Protanomaly

34.1547, 0.2983, 0.2652



Deuteranomaly

34.3243, 0.3250, 0.2842



Tritanomaly

34.5485, 0.3874, 0.2973

Monochromacy



Original Color

34.8870, 0.3640, 0.2662



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

35.1541, 0.3301, 0.3021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8870, 0.3640, 0.2662 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(227, 127, 182)` looks like.

```
.text, #text, p{  
    color:rgb(227, 127, 182)  
}
```

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(227, 127, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 127, 182) }
```

Border

The CSS property to change the border of an element to Yxy 34.8870, 0.3640, 0.2662 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(227, 127, 182) }
```

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

```
.border{ border-color:rgb(227, 127, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 127, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 127, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 127, 182); box-shadow:4px 4px 4px 4px rgb(227, 127, 182) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8870, 0.3640, 0.2662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 127, 182) }
```

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

```
.background{ background-color: rgb(227,  
127, 182) }
```

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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