

Converting Colors

$Y_{xy}(35.8710, 0.3671, 0.2842)$

Have a look what the booklet for
Yxy(35.8710, 0.3671, 0.2842)
contains.

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Color

Yxy(35.8747, 0.3671, 0.2842)

Conversions

Conversions Part 1

Format	Color
Hex	DE87AD
RGB	222, 135, 173
RGB Percent	87%, 53%, 68%
CMY	0.1293, 0.4706, 0.3216
CMYK	0.00, 0.39, 0.22, 0.13
HSL	334°, 57%, 70%
HSV	334°, 39%, 87%
XYZ	46.3392, 35.8747, 44.0166
YIQ	165.3450, 39.6540, 30.2620

Conversions

Conversions Part 2

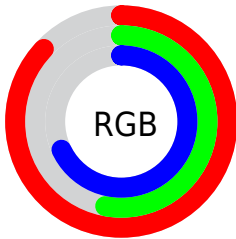
Format	Color
R _Y B	222, 135, 173
Decimal	14583725
CIE Lab	66.42, 38.25, -5.77
CIE LCh	66, 38.683, 351.419
Yxy	35.8747, 0.3671, 0.2842
Android (android.graphics.Color)	4292773805 (0xFFDE87AD)
YUV	165.3450, 3.7739, 49.6864
Hunter-Lab	59.8955, 33.2826, -1.6448

Details

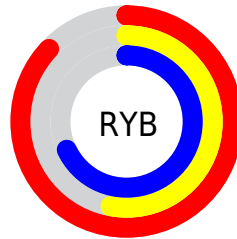
The Yxy color **35.8747, 0.3671, 0.2842** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.8736, 0.2791, 0.3795**, and the grayscale version is **37.7688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6883, 0.3361, 0.2906**, and **15.5663, 0.3833, 0.2704** is the 20% darker color. If you saturate the color by 10%, you get **29.8523, 0.3881, 0.2732**, and if you desaturate by 10%, it is **43.2376, 0.3493, 0.2959**.

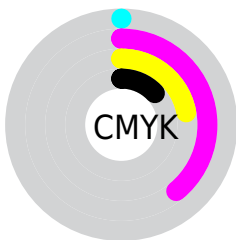
Distribution



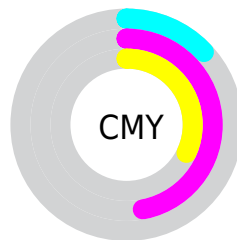
- Red (87%)
- Green (53%)
- Blue (68%)



- Red (87%)
- Yellow (53%)
- Blue (68%)



- Cyan (0%)
- Magenta (39%)
- Yellow (22%)
- Black (13%)




- Cyan (13%)
- Magenta (47%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8747, 0.3671, 0.2842 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 35.8747, 0.3671, 0.2842 by changing the saturation by 10% instead.


 35.8747, 0.3671,
0.2842


 35.8747, 0.3671,
0.2842


328.4126, 0.3391,
0.3069


 24.3374, 0.3744,
0.2785


 68.8386, 0.3567,
0.2925

 15.5841, 0.3838,
0.2710


 91.0341, 0.3529,
0.2956

 9.2304, 0.3967,
0.2611


 117.5511, 0.3497,
0.2982

 4.8917, 0.4151,
0.2470

148.7739, 0.3469,
0.3005

 2.1839, 0.4437,
0.2259

185.0871, 0.3446,
0.3024

 0.7112, 0.4949,
0.1885

226.8750, 0.3425,

 0.0000, 1.0000,

0.3041

0.0000

274.5221, 0.3407,
0.3056

0.0000, 0.0000,
0.0000

35.8747, 0.3671,
0.2842

35.8747, 0.3671,
0.2842

29.8523, 0.3881,
0.2732

43.2376, 0.3493,
0.2959

25.0833, 0.4122,
0.2639

52.0112, 0.3344,
0.3077

21.4778, 0.4391,
0.2575

62.2666, 0.3221,
0.3191

18.9321, 0.4677,
0.2552

74.0687, 0.3120,
0.3298

17.3232, 0.4963,
0.2582

87.4786, 0.3037,
0.3398

■ 16.4547, 0.5234,
0.2661

■ 93.8356, 0.2967,
0.3360

■ 16.3978, 0.5255,
0.2668

■ 94.2754, 0.2929,
0.3289

Harmonies

Analogous

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



35.8747, 0.3069, 0.2527



35.8747, 0.3671, 0.2842



35.8747, 0.4143, 0.3263

Triad

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



35.8747, 0.3671, 0.2842



35.8747, 0.3667, 0.4358



35.8747, 0.2074, 0.2694

Complementary

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



35.8747, 0.3671, 0.2842



60.8736, 0.2791, 0.3795

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.



35.8747, 0.2199, 0.3188



35.8747, 0.3671, 0.2842



35.8747, 0.3096, 0.4254

Square

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



35.8747, 0.3671, 0.2842



35.8747, 0.4118, 0.4128



35.8747, 0.2561, 0.3792



35.8747, 0.2191, 0.2421

Rectangle

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



35.8747, 0.3671, 0.2842



35.8747, 0.4291, 0.3568



35.8747, 0.2561, 0.3792



35.8747, 0.2088, 0.2836

Sweetspot

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



35.8764, 0.3671, 0.2842



80.9457, 0.3254, 0.3158



32.6503, 0.2808, 0.2217



16.9218, 0.3270, 0.3144



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.



35.8764, 0.3671, 0.2842



42.2386, 0.3840, 0.2751



35.8476, 0.4086, 0.3345



13.7995, 0.3224, 0.3188



9.7578, 0.5218, 0.2648



0.6941, 0.4832, 0.2436

Inverse Universe

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



35.8764, 0.3671, 0.2842



42.2386, 0.3840, 0.2751



60.4049, 0.2578, 0.3233



13.7995, 0.3224, 0.3188



9.7578, 0.5218, 0.2648



0.6941, 0.4832, 0.2436

Previews

White Background



This preview shows how the Yxy color 35.8747, 0.3671, 0.2842 looks on a white background.

Color Contrast Check

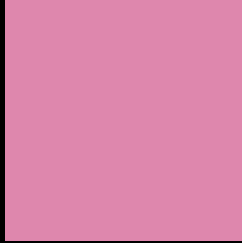
Large Text (above 18pt) WCAG AA × Fail

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 35.8747, 0.3671, 0.2842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

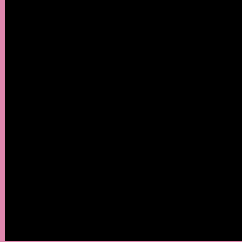
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8747, 0.3671, 0.2842

Background



This preview shows how black text looks on a background with the Yxy color 35.8747, 0.3671, 0.2842.



This preview shows how white text looks on a background with the Yxy color 35.8747, 0.3671, 0.2842.

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

35.8747, 0.3671, 0.2842

Protanopia

36.3320, 0.2857, 0.2896

Deuteranopia

35.9772, 0.3184, 0.3123



Tritanopia

35.8829, 0.3896, 0.3159

Trichromacy



Original Color

35.8747, 0.3671, 0.2842



Protanomaly

35.6991, 0.3127, 0.2875



Deuteranomaly

35.4735, 0.3353, 0.3012



Tritanomaly

36.0177, 0.3820, 0.3052

Monochromacy



Original Color

35.8747, 0.3671, 0.2842



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

36.3775, 0.3315, 0.3102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8747, 0.3671, 0.2842 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(222, 135, 173)` looks like.

```
.text, #text, p{  
    color:rgb(222, 135, 173)  
}
```

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(222, 135, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 135, 173) }
```

Border

The CSS property to change the border of an element to Yxy 35.8747, 0.3671, 0.2842 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(222, 135, 173) }
```

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

```
.border{ border-color:rgb(222, 135, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 135, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 135, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 135, 173);  
box-shadow:4px 4px 4px 4px rgb(222, 135,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8747, 0.3671, 0.2842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 135, 173) }
```

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

```
.background{ background-color: rgb(222,  
135, 173) }
```

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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