

Converting Colors

$Y_{xy}(35.7249, 0.3298, 0.2405)$

Have a look what the booklet for
Yxy(35.7249, 0.3298, 0.2405)
contains.

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Color

Yxy(35.8915, 0.3299, 0.2407)

Conversions

Conversions Part 1

Format	Color
Hex	DD82D0
RGB	221, 130, 208
RGB Percent	87%, 51%, 82%
CMY	0.1333, 0.4902, 0.1842
CMYK	0.00, 0.41, 0.06, 0.13
HSL	309°, 57%, 69%
HSV	309°, 41%, 87%
XYZ	49.1924, 35.8915, 64.0291
YIQ	166.1010, 29.1980, 43.5500

Conversions

Conversions Part 2

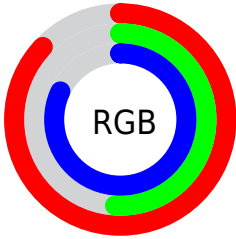
Format	Color
R _Y B	221, 130, 208
Decimal	14516944
CIE Lab	66.44, 46.11, -25.43
CIE LCh	66, 52.657, 331.126
Yxy	35.8915, 0.3299, 0.2407
Android (android.graphics.Color)	4292707024 (0xFFDD82D0)
YUV	166.1010, 20.6562, 48.1464
Hunter-Lab	59.9095, 41.7267, -21.4303

Details

The Yxy color **35.8915, 0.3299, 0.2407** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **58.4477, 0.2995, 0.4374**, and the grayscale version is **38.0732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1779, 0.3159, 0.2604**, and **15.5002, 0.3336, 0.2180** is the 20% darker color. If you saturate the color by 10%, you get **30.4784, 0.3351, 0.2212**, and if you desaturate by 10%, it is **42.5736, 0.3250, 0.2618**.

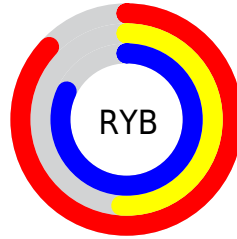
Distribution



Red (87%)

Green (51%)

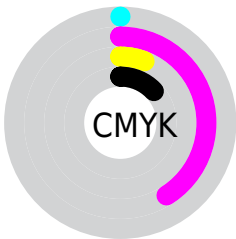
Blue (82%)



Red (87%)

Yellow (51%)

Blue (82%)

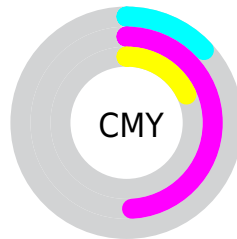


Cyan (0%)

Magenta (41%)

Yellow (6%)

Black (13%)



Cyan (13%)


Magenta (49%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8915, 0.3299, 0.2407 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 35.8915, 0.3299, 0.2407 by changing the saturation by 10% instead.


 35.8915, 0.3299,
0.2407


 35.8915, 0.3299,
0.2407


328.4861, 0.3224,
0.2832

 24.3504, 0.3314,
0.2307


 68.8646, 0.3274,
0.2557

 15.5938, 0.3332,
0.2181


 91.0653, 0.3264,
0.2615

 9.2372, 0.3352,
0.2021


 117.5881, 0.3256,
0.2664

 4.8962, 0.3374,
0.1808

148.8173, 0.3248,
0.2707

 2.1865, 0.3393,
0.1518

185.1373, 0.3241,
0.2744

 0.7126, 0.3400,
0.1094

226.9325, 0.3235,

 0.0000, 0.3488,

0.2777

0.0000

274.5873, 0.3229,
0.2806

0.0000, 0.0000,
0.0000

35.8915, 0.3299,
0.2407

35.8915, 0.3299,
0.2407

30.4784, 0.3351,
0.2212

42.5736, 0.3250,
0.2618

26.2476, 0.3406,
0.2043

50.5941, 0.3206,
0.2837

23.1098, 0.3462,
0.1909

60.0232, 0.3166,
0.3054

20.9603, 0.3516,
0.1818

70.9250, 0.3131,
0.3266

19.6744, 0.3568,
0.1772

83.3594, 0.3101,
0.3467

 19.0697, 0.3611,
0.1763

 92.4373, 0.3077,
0.3581

 92.6129, 0.3059,
0.3547

 92.7918, 0.3042,
0.3514

 92.9738, 0.3024,
0.3481

Harmonies

Analogous

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



35.8915, 0.2538, 0.2139



35.8915, 0.3299, 0.2407



35.8915, 0.4106, 0.2854

Triad

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



35.8915, 0.3299, 0.2407



35.8915, 0.4256, 0.4517



35.8915, 0.1821, 0.2878

Complementary

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



35.8915, 0.3299, 0.2407



58.4477, 0.2995, 0.4374

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.



35.8915, 0.2176, 0.3703



35.8915, 0.3299, 0.2407



35.8915, 0.3572, 0.4773

Square

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



35.8915, 0.3299, 0.2407



35.8915, 0.4668, 0.3992



35.8915, 0.2810, 0.4486



35.8915, 0.1773, 0.2331

Rectangle

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



35.8915, 0.3299, 0.2407



35.8915, 0.4507, 0.3216



35.8915, 0.2810, 0.4486



35.8915, 0.1904, 0.3131

Sweetspot

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



35.8931, 0.3299, 0.2407



81.7286, 0.3169, 0.3035



26.9466, 0.2457, 0.2056



17.1065, 0.3174, 0.3006



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.



35.8931, 0.3299, 0.2407



43.3634, 0.3342, 0.2245



33.9950, 0.3783, 0.2894



13.2412, 0.3159, 0.3092



11.0892, 0.3604, 0.1759



0.7274, 0.3530, 0.1718

Inverse Universe

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



35.8931, 0.3299, 0.2407



43.3634, 0.3342, 0.2245



60.0806, 0.2742, 0.3736



13.2412, 0.3159, 0.3092



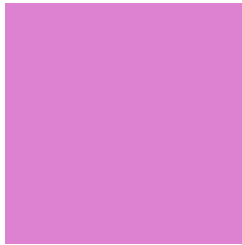
11.0892, 0.3604, 0.1759



0.7274, 0.3530, 0.1718

Previews

White Background



This preview shows how the Yxy color 35.8915, 0.3299, 0.2407 looks on a white background.

Color Contrast Check

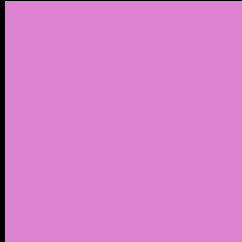
Large Text (above 18pt) WCAG AA × Fail

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 35.8915, 0.3299, 0.2407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

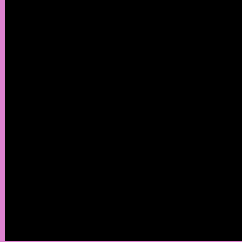
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8915, 0.3299, 0.2407

Background



This preview shows how black text looks on a background with the Yxy color 35.8915, 0.3299, 0.2407.



This preview shows how white text looks on a background with the Yxy color 35.8915, 0.3299, 0.2407.

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

35.8915, 0.3299, 0.2407

Protanopia

36.4302, 0.2446, 0.2365

Deuteranopia

36.2762, 0.2749, 0.2689



Tritanopia

35.9091, 0.3800, 0.3168

Trichromacy



Original Color

35.8915, 0.3299, 0.2407



Protanomaly

35.2038, 0.2699, 0.2358



Deuteranomaly

35.2909, 0.2926, 0.2554



Tritanomaly

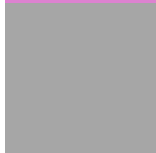
35.9072, 0.3622, 0.2881

Monochromacy



Original Color

35.8915, 0.3299, 0.2407



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

36.5578, 0.3193, 0.2920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8915, 0.3299, 0.2407 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(221, 130, 208)` looks like.

```
.text, #text, p{  
    color:rgb(221, 130, 208)  
}
```

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(221, 130, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 130, 208) }
```

Border

The CSS property to change the border of an element to Yxy 35.8915, 0.3299, 0.2407 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(221, 130, 208) }
```

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

```
.border{ border-color:rgb(221, 130, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 130, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 130, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 130, 208);  
box-shadow:4px 4px 4px 4px rgb(221, 130,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8915, 0.3299, 0.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 130, 208) }
```

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

```
.background{ background-color: rgb(221,  
130, 208) }
```

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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