

Converting Colors

$Y_{xy}(35.1457, 0.2923, 0.2124)$

Have a look what the booklet for
Yxy(35.1457, 0.2923, 0.2124)
contains.

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Color

Yxy(35.0276, 0.2920, 0.2118)

Conversions

Conversions Part 1

Format	Color
Hex	CE82EA
RGB	206, 130, 234
RGB Percent	81%, 51%, 92%
CMY	0.1921, 0.4902, 0.0823
CMYK	0.12, 0.44, 0.00, 0.08
HSL	284°, 71%, 71%
HSV	284°, 44%, 92%
XYZ	48.2911, 35.0276, 82.0618
YIQ	164.5800, 11.9120, 48.4560

Conversions

Conversions Part 2

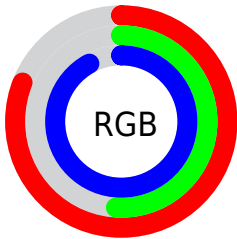
Format	Color
R _Y B	206, 130, 234
Decimal	13533930
CIE Lab	65.77, 46.52, -41.02
CIE LCh	66, 62.024, 318.590
Yxy	35.0276, 0.2920, 0.2118
Android (android.graphics.Color)	4291724010 (0xFFCE82EA)
YUV	164.5800, 34.2241, 36.3253
Hunter-Lab	59.1841, 42.0744, -40.7798

Details

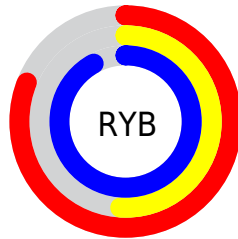
The Yxy color **35.0276, 0.2920, 0.2118** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **67.7284, 0.3236, 0.4609**, and the grayscale version is **37.2454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1779, 0.3159, 0.2604**, and **15.1472, 0.2836, 0.1841** is the 20% darker color. If you saturate the color by 10%, you get **28.6127, 0.2854, 0.1864**, and if you desaturate by 10%, it is **42.8969, 0.2979, 0.2386**.

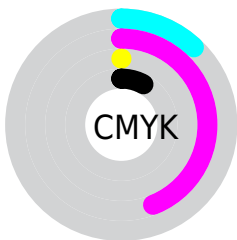
Distribution



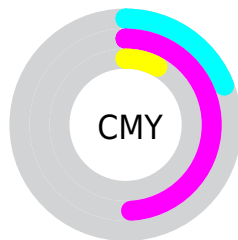
- Red (81%)
- Green (51%)
- Blue (92%)



- Red (81%)
- Yellow (51%)
- Blue (92%)



- Cyan (12%)
- Magenta (44%)
- Yellow (0%)
- Black (8%)



- Cyan (19%)
- Magenta (49%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.0276, 0.2920, 0.2118 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 35.0276, 0.2920, 0.2118 by changing the saturation by 10% instead.


 35.0276, 0.2920,
0.2118


 35.0276, 0.2920,
0.2118


324.6901, 0.3045,
0.2668

 23.6841, 0.2884,
0.1993


 67.5285, 0.2969,
0.2309

 15.0995, 0.2835,
0.1840


 89.4548, 0.2987,
0.2383

 8.8892, 0.2766,
0.1649


 115.6774, 0.3001,
0.2447

 4.6690, 0.2666,
0.1408

146.5808, 0.3013,
0.2503

 2.0544, 0.2509,
0.1098

182.5494, 0.3023,
0.2552

 0.6388, 0.2251,
0.0684

223.9676, 0.3031,

 0.0000, 0.1804,

0.2595

0.0000

271.2197, 0.3038,
0.2634

0.0000, 0.0000,
0.0000

35.0276, 0.2920,
0.2118

35.0276, 0.2920,
0.2118

28.6127, 0.2854,
0.1864

42.8969, 0.2979,
0.2386

23.5501, 0.2784,
0.1637

52.3046, 0.3031,
0.2659

19.7315, 0.2711,
0.1446

63.3336, 0.3075,
0.2926

17.0295, 0.2637,
0.1301

76.0594, 0.3113,
0.3181

15.2882, 0.2566,
0.1204

90.5526, 0.3143,
0.3421

■ 14.6026, 0.2527,
0.1166

■ 96.6582, 0.3179,
0.3497

■ 97.8028, 0.3219,
0.3495

■ 98.7209, 0.3250,
0.3493

Harmonies

Analogous

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



35.0276, 0.2146, 0.1917



35.0276, 0.2920, 0.2118



35.0276, 0.3898, 0.2544

Triad

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



35.0276, 0.2920, 0.2118



35.0276, 0.4674, 0.4437



35.0276, 0.1738, 0.3161

Complementary

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



35.0276, 0.2920, 0.2118



67.7284, 0.3236, 0.4609

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.



35.0276, 0.2275, 0.4224



35.0276, 0.2920, 0.2118



35.0276, 0.3967, 0.4963

Square

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



35.0276, 0.2920, 0.2118



35.0276, 0.4990, 0.3774



35.0276, 0.3093, 0.4976



35.0276, 0.1555, 0.2371

Rectangle

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



35.0276, 0.2920, 0.2118



35.0276, 0.4489, 0.2919



35.0276, 0.3093, 0.4976



35.0276, 0.1877, 0.3504

Sweetspot

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



35.0291, 0.2920, 0.2118



78.9901, 0.3081, 0.2962



35.6429, 0.2357, 0.2300



16.2200, 0.3072, 0.2904



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.



35.0291, 0.2920, 0.2118



35.6197, 0.2863, 0.1894



38.1843, 0.3392, 0.2411



15.0981, 0.3095, 0.3055



8.2703, 0.2538, 0.1172



0.6962, 0.2634, 0.1225

Inverse Universe

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



35.9256, 0.3982, 0.2975



37.0646, 0.4253, 0.2921



65.8791, 0.2946, 0.4376



15.1206, 0.3251, 0.3227



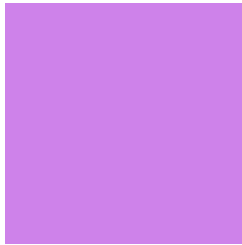
10.0492, 0.5865, 0.3005



0.8047, 0.5472, 0.2788

Previews

White Background



This preview shows how the Yxy color 35.0276, 0.2920, 0.2118 looks on a white background.

Color Contrast Check

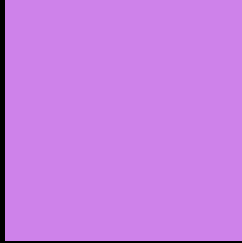
Large Text (above 18pt) WCAG AA × Fail

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 35.0276, 0.2920, 0.2118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

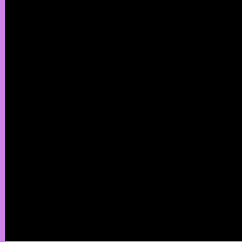
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.0276, 0.2920, 0.2118

Background



This preview shows how black text looks on a background with the Yxy color 35.0276, 0.2920, 0.2118.



This preview shows how white text looks on a background with the Yxy color 35.0276, 0.2920, 0.2118.

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

35.0276, 0.2920, 0.2118

Protanopia

35.5449, 0.2209, 0.2051

Deuteranopia

35.5217, 0.2409, 0.2353



Tritanopia

34.9382, 0.3521, 0.3145

Trichromacy



Original Color

35.0276, 0.2920, 0.2118



Protanomaly

34.3551, 0.2414, 0.2055



Deuteranomaly

34.4229, 0.2564, 0.2234



Tritanomaly

34.7370, 0.3286, 0.2722

Monochromacy



Original Color

35.0276, 0.2920, 0.2118



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.8775, 0.3055, 0.2786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0276, 0.2920, 0.2118 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(206, 130, 234)` looks like.

```
.text, #text, p{  
    color:rgb(206, 130, 234)  
}
```

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(206, 130, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 130, 234) }
```

Border

The CSS property to change the border of an element to Yxy 35.0276, 0.2920, 0.2118 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(206, 130, 234) }
```

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

```
.border{ border-color:rgb(206, 130, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 130, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 130, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 130, 234);  
box-shadow:4px 4px 4px 4px rgb(206, 130,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0276, 0.2920, 0.2118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 130, 234) }
```

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

```
.background{ background-color: rgb(206,  
130, 234) }
```

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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