

Converting Colors

$Y_{xy}(35.3947, 0.2908, 0.2261)$

Have a look what the booklet for
Yxy(35.3947, 0.2908, 0.2261)
contains.

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Color

Yxy(35.3490, 0.2905, 0.2259)

Conversions

Conversions Part 1

Format	Color
Hex	C48AE1
RGB	196, 138, 225
RGB Percent	77%, 54%, 88%
CMY	0.2311, 0.4589, 0.1176
CMYK	0.13, 0.39, 0.00, 0.12
HSL	280°, 59%, 71%
HSV	280°, 39%, 88%
XYZ	45.4577, 35.3490, 75.6741
YIQ	165.2600, 6.6410, 39.3530

Conversions

Conversions Part 2

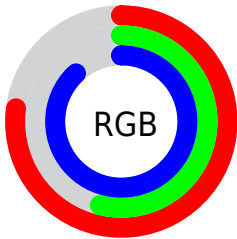
Format	Color
R_{YB}	196, 138, 225
Decimal	12880609
CIE _{Lab}	66.02, 37.48, -35.74
CIE _{LCh}	66, 51.794, 316.360
Yxy	35.3490, 0.2905, 0.2259
Android (android.graphics.Color)	4291070689 (0xFFC48AE1)
YUV	165.2600, 29.4518, 26.9590
Hunter-Lab	59.4550, 32.4298, -33.8455

Details

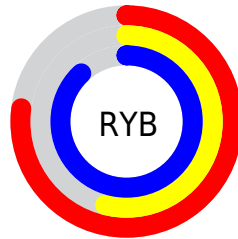
The Yxy color **35.3490, 0.2905, 0.2259** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.9024, 0.3267, 0.4401**, and the grayscale version is **37.6134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9901, 0.3149, 0.2672**, and **15.3437, 0.2826, 0.2012** is the 20% darker color. If you saturate the color by 10%, you get **28.5712, 0.2827, 0.1986**, and if you desaturate by 10%, it is **43.5172, 0.2975, 0.2537**.

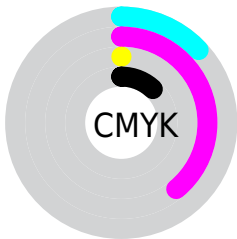
Distribution



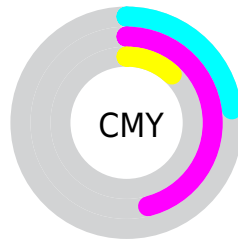
- Red (77%)
- Green (54%)
- Blue (88%)



- Red (77%)
- Yellow (54%)
- Blue (88%)



- Cyan (13%)
- Magenta (39%)
- Yellow (0%)
- Black (12%)




- Cyan (23%)
- Magenta (46%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3490, 0.2905, 0.2259 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 35.3490, 0.2905, 0.2259 by changing the saturation by 10% instead.


 35.3490, 0.2905,
0.2259


 35.3490, 0.2905,
0.2259


326.1061, 0.3033,
0.2752


 23.9318, 0.2869,
0.2144


 68.0261, 0.2955,
0.2432

 15.2831, 0.2821,
0.2002


 90.0548, 0.2972,
0.2499

 9.0183, 0.2753,
0.1822

 116.3894, 0.2987,
0.2556

 4.7531, 0.2654,
0.1588

147.4145, 0.2999,
0.2606

 2.1031, 0.2498,
0.1278

183.5143, 0.3009,
0.2649

 0.6664, 0.2239,
0.0846

225.0732, 0.3018,


 0.0000, 0.1684,

0.2688

0.0000

272.4757, 0.3026,
0.2722


 0.0000, 0.0000,
0.0000

 35.3490, 0.2905,
0.2259


 35.3490, 0.2905,
0.2259


 28.5712, 0.2827,
0.1986

 43.5172, 0.2975,
0.2537


 23.0953, 0.2741,
0.1731


 53.1482, 0.3036,
0.2812


 18.8298, 0.2651,
0.1505

 64.3145, 0.3089,
0.3075


 15.6684, 0.2560,
0.1320


 77.0824, 0.3132,
0.3321

 13.4862, 0.2471,
0.1183

 91.5144, 0.3169,
0.3550

 12.0952, 0.2386,
0.1093

 95.6535, 0.3213,
0.3590

 11.9370, 0.2375,
0.1082

 96.9979, 0.3261,
0.3585

 98.2173, 0.3303,
0.3581

Harmonies

Analogous

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



35.3490, 0.2254, 0.2101



35.3490, 0.2905, 0.2259



35.3490, 0.3716, 0.2623

Triad

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



35.3490, 0.2905, 0.2259



35.3490, 0.4491, 0.4267



35.3490, 0.1968, 0.3263

Complementary

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



35.3490, 0.2905, 0.2259



63.9024, 0.3267, 0.4401

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.



35.3490, 0.2467, 0.4115



35.3490, 0.2905, 0.2259



35.3490, 0.3924, 0.4685

Square

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



35.3490, 0.2905, 0.2259



35.3490, 0.4698, 0.3702



35.3490, 0.3183, 0.4687



35.3490, 0.1772, 0.2568

Rectangle

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



35.3490, 0.2905, 0.2259



35.3490, 0.4215, 0.2949



35.3490, 0.3183, 0.4687



35.3490, 0.2102, 0.3547

Sweetspot

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



35.3505, 0.2905, 0.2259



80.1268, 0.3072, 0.2987



38.4712, 0.2476, 0.2514



16.7275, 0.3065, 0.2952



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.



35.3505, 0.2905, 0.2259



39.9068, 0.2846, 0.2050



38.8583, 0.3307, 0.2479



13.6953, 0.3085, 0.3055



6.9436, 0.2388, 0.1089



0.5296, 0.2517, 0.1160

Inverse Universe

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



36.9670, 0.3761, 0.2951



42.5142, 0.3951, 0.2886



61.5442, 0.2990, 0.4269



13.7754, 0.3240, 0.3212



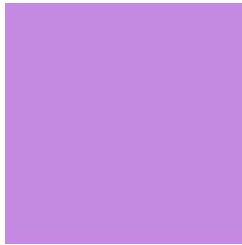
9.5352, 0.5634, 0.2878



0.6771, 0.5199, 0.2638

Previews

White Background



This preview shows how the Yxy color 35.3490, 0.2905, 0.2259 looks on a white background.

Color Contrast Check

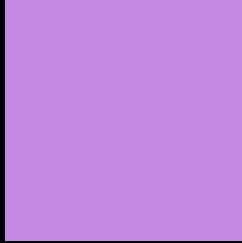
Large Text (above 18pt) WCAG AA × Fail

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 35.3490, 0.2905, 0.2259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

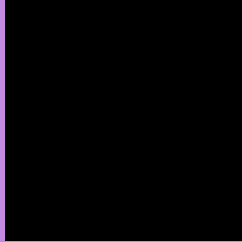
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3490, 0.2905, 0.2259

Background



This preview shows how black text looks on a background with the Yxy color 35.3490, 0.2905, 0.2259.



This preview shows how white text looks on a background with the Yxy color 35.3490, 0.2905, 0.2259.

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

35.3490, 0.2905, 0.2259

Protanopia

35.7101, 0.2330, 0.2212

Deuteranopia

35.7675, 0.2511, 0.2454



Tritanopia

35.3424, 0.3379, 0.3128

Trichromacy



Original Color

35.3490, 0.2905, 0.2259



Protanomaly

35.0999, 0.2506, 0.2222



Deuteranomaly

35.0885, 0.2644, 0.2370



Tritanomaly

35.0501, 0.3191, 0.2770

Monochromacy



Original Color

35.3490, 0.2905, 0.2259



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

36.2607, 0.3043, 0.2859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3490, 0.2905, 0.2259 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(196, 138, 225)` looks like.

```
.text, #text, p{  
    color:rgb(196, 138, 225)  
}
```

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(196, 138, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 138, 225) }
```

Border

The CSS property to change the border of an element to Yxy 35.3490, 0.2905, 0.2259 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(196, 138, 225) }
```

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

```
.border{ border-color:rgb(196, 138, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 138, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 138, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 138, 225);  
box-shadow:4px 4px 4px 4px rgb(196, 138,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3490, 0.2905, 0.2259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 138, 225) }
```

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

```
.background{ background-color: rgb(196,  
138, 225) }
```

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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