

Converting Colors

$Y_{xy}(35.0278, 0.3056, 0.2358)$

Have a look what the booklet for
Yxy(35.0278, 0.3056, 0.2358)
contains.

Yxy(35.0199, 0.3054, 0.2361)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.0199, 0.3054, 0.2361)

Conversions

Conversions Part 1

Format	Color
Hex	CA88D6
RGB	202, 136, 214
RGB Percent	79%, 53%, 84%
CMY	0.2079, 0.4666, 0.1607
CMYK	0.06, 0.36, 0.00, 0.16
HSL	291°, 49%, 69%
HSV	291°, 36%, 84%
XYZ	45.2989, 35.0199, 68.0077
YIQ	164.6260, 14.2980, 38.2500

Conversions

Conversions Part 2

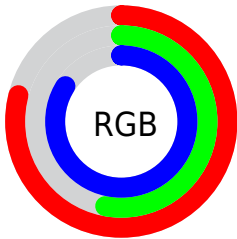
Format	Color
R _Y B	202, 136, 214
Decimal	13273302
CIE Lab	65.76, 38.13, -29.99
CIE LCh	66, 48.507, 321.814
Yxy	35.0199, 0.3054, 0.2361
Android (android.graphics.Color)	4291463382 (0xFFCA88D6)
YUV	164.6260, 24.3414, 32.7770
Hunter-Lab	59.1776, 33.0763, -26.7126

Details

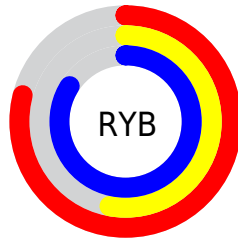
The Yxy color **35.0199, 0.3054, 0.2361** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **56.1844, 0.3159, 0.4359**, and the grayscale version is **37.3158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3069, 0.3157, 0.2653**, and **15.2032, 0.3019, 0.2131** is the 20% darker color. If you saturate the color by 10%, you get **29.1269, 0.3024, 0.2112**, and if you desaturate by 10%, it is **42.1294, 0.3080, 0.2620**.

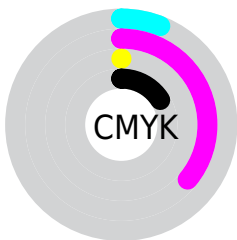
Distribution



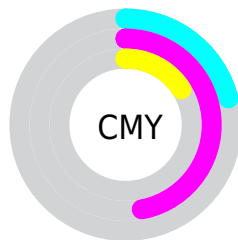
- Red (79%)
- Green (53%)
- Blue (84%)



- Red (79%)
- Yellow (53%)
- Blue (84%)



- Cyan (6%)
- Magenta (36%)
- Yellow (0%)
- Black (16%)





- Cyan (21%)
- Magenta (47%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0199, 0.3054, 0.2361 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 35.0199, 0.3054, 0.2361 by changing the saturation by 10% instead.


 35.0199, 0.3054,
0.2361


 35.0199, 0.3054,
0.2361


324.6562, 0.3105,
0.2810


 23.6782, 0.3037,
0.2255


 67.5166, 0.3075,
0.2520

 15.0951, 0.3014,
0.2122


 89.4404, 0.3083,
0.2581

 8.8861, 0.2979,
0.1952


 115.6603, 0.3088,
0.2633

 4.6670, 0.2923,
0.1728

146.5608, 0.3093,
0.2678

 2.0532, 0.2829,
0.1424

182.5263, 0.3097,
0.2717

 0.6381, 0.2657,
0.0971

223.9410, 0.3100,


 0.0000, 0.2191,


0.2752


0.0000


271.1895, 0.3102,
0.2782


 0.0000, 0.0000,
0.0000


 35.0199, 0.3054,
0.2361


 35.0199, 0.3054,
0.2361

 29.1269, 0.3024,
0.2112


 42.1294, 0.3080,
0.2620


 24.3737, 0.2990,
0.1884


 50.5171, 0.3101,
0.2879


 20.6822, 0.2953,
0.1687


 60.2457, 0.3118,
0.3133


 17.9622, 0.2913,
0.1529


 71.3726, 0.3132,
0.3374

 16.1085, 0.2873,
0.1415

 83.9519, 0.3142,
0.3600


 14.9876, 0.2832,
0.1345

 91.8748, 0.3155,
0.3718

 14.6806, 0.2818,
0.1326

 92.4008, 0.3176,
0.3715

 92.9370, 0.3197,
0.3713

 93.4836, 0.3218,
0.3710

Harmonies

Analogous

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



35.0199, 0.2397, 0.2172



35.0199, 0.3054, 0.2361



35.0199, 0.3819, 0.2739

Triad

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



35.0199, 0.3054, 0.2361



35.0199, 0.4343, 0.4311



35.0199, 0.1975, 0.3132

Complementary

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



35.0199, 0.3054, 0.2361



56.1844, 0.3159, 0.4359

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.



35.0199, 0.2403, 0.3923



35.0199, 0.3054, 0.2361



35.0199, 0.3768, 0.4640

Square

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



35.0199, 0.3054, 0.2361



35.0199, 0.4605, 0.3792



35.0199, 0.3057, 0.4534



35.0199, 0.1838, 0.2525

Rectangle

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



35.0199, 0.3054, 0.2361



35.0199, 0.4256, 0.3064



35.0199, 0.3057, 0.4534



35.0199, 0.2086, 0.3388

Sweetspot

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



35.0214, 0.3054, 0.2361



82.5792, 0.3111, 0.3016



31.5891, 0.2492, 0.2382



17.2535, 0.3108, 0.2981



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.



35.0214, 0.3054, 0.2361



44.9282, 0.3030, 0.2161



35.5419, 0.3425, 0.2668



12.5312, 0.3113, 0.3059



8.9080, 0.2824, 0.1329



0.5641, 0.2895, 0.1368

Inverse Universe

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



34.0497, 0.3867, 0.3143



43.3869, 0.4116, 0.3112



55.9505, 0.2919, 0.4010



12.4517, 0.3267, 0.3254



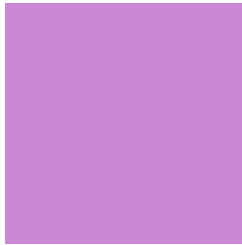
8.7173, 0.6174, 0.3175



0.5358, 0.5744, 0.2938

Previews

White Background



This preview shows how the Yxy color 35.0199, 0.3054, 0.2361 looks on a white background.

Color Contrast Check

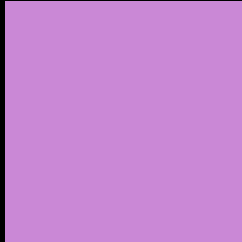
Large Text (above 18pt) WCAG AA × Fail

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 35.0199, 0.3054, 0.2361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

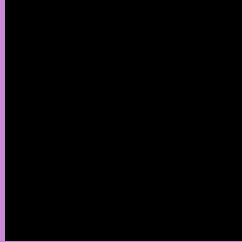
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.0199, 0.3054, 0.2361

Background



This preview shows how black text looks on a background with the Yxy color 35.0199, 0.3054, 0.2361.



This preview shows how white text looks on a background with the Yxy color 35.0199, 0.3054, 0.2361.

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

35.0199, 0.3054, 0.2361

Protanopia

35.5416, 0.2416, 0.2323

Deuteranopia

35.1566, 0.2632, 0.2564



Tritanopia

34.8400, 0.3500, 0.3132

Trichromacy



Original Color

35.0199, 0.3054, 0.2361



Protanomaly

34.8260, 0.2615, 0.2323



Deuteranomaly

34.5229, 0.2772, 0.2476



Tritanomaly

34.7699, 0.3333, 0.2828

Monochromacy



Original Color

35.0199, 0.3054, 0.2361



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.9951, 0.3097, 0.2899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0199, 0.3054, 0.2361 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(202, 136, 214)` looks like.

```
.text, #text, p{  
    color:rgb(202, 136, 214)  
}
```

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(202, 136, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 136, 214) }
```

Border

The CSS property to change the border of an element to Yxy 35.0199, 0.3054, 0.2361 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(202, 136, 214) }
```

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

```
.border{ border-color:rgb(202, 136, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 136, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 136, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 136, 214);  
box-shadow:4px 4px 4px 4px rgb(202, 136,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0199, 0.3054, 0.2361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 136, 214) }
```

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

```
.background{ background-color: rgb(202,  
136, 214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor