

# Converting Colors

$Yxy(41.0559, 0.3044, 0.2681)$

Have a look what the booklet for  
Yxy(41.0559, 0.3044, 0.2681)  
contains.

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# Color

**Yxy(41.1355, 0.3038, 0.2678)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C49FD1
RGB	196, 159, 209
RGB Percent	77%, 62%, 82%
CMY	0.2315, 0.3764, 0.1804
CMYK	0.06, 0.24, 0.00, 0.18
HSL	284°, 35%, 72%
HSV	284°, 24%, 82%
XYZ	46.6653, 41.1355, 65.8045
YIQ	175.7630, 6.0020, 23.3940

# Conversions

## Conversions Part 2

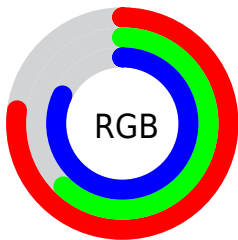
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 159, 209
Decimal	12885969
CIE <sub>Lab</sub>	70.27, 22.59, -20.35
CIE <sub>LCh</sub>	70, 30.406, 317.984
Yxy	41.1355, 0.3038, 0.2678
Android (android.graphics.Color)	4291076049 (0xFFC49FD1)
YUV	175.7630, 16.3858, 17.7478
Hunter-Lab	64.1370, 17.6348, -15.9357

# Details

The Yxy color **41.1355, 0.3038, 0.2678** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **56.8841, 0.3193, 0.3941**, and the grayscale version is **43.1968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1958, 0.3132, 0.2889**, and **18.5993, 0.3013, 0.2519** is the 20% darker color. If you saturate the color by 10%, you get **33.8278, 0.2989, 0.2409**, and if you desaturate by 10%, it is **49.6886, 0.3080, 0.2942**.

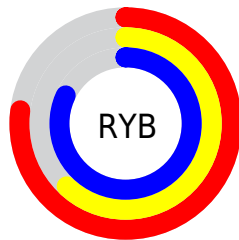
# Distribution



Red (77%)

Green (62%)

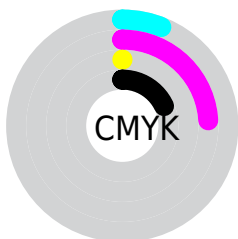
Blue (82%)



Red (77%)

Yellow (62%)

Blue (82%)

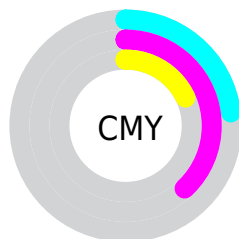


Cyan (6%)

Magenta (24%)

Yellow (0%)

Black (18%)



Cyan (23%)

Magenta (38%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1355, 0.3038, 0.2678 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 41.1355, 0.3038, 0.2678 by changing the saturation by 10% instead.





 41.1355, 0.3038,  
0.2678


 41.1355, 0.3038,  
0.2678


350.8866, 0.3088,  
0.2976

 28.4250, 0.3024,  
0.2606


 76.8895, 0.3058,  
0.2784

 18.6463, 0.3005,  
0.2516


 100.7019, 0.3065,  
0.2825

 11.4150, 0.2978,  
0.2398


128.9836, 0.3070,  
0.2859

 6.3467, 0.2938,  
0.2240

162.1190, 0.3075,  
0.2889

 3.0570, 0.2873,  
0.2016

200.4927, 0.3079,  
0.2915

 1.1616, 0.2755,  
0.1679

244.4889, 0.3083,

 0.0300, 0.2693,

0.2938

0.0139

294.4921, 0.3086,  
0.2958

0.0000, 0.0000,  
0.0000

41.1355, 0.3038,  
0.2678

41.1355, 0.3038,  
0.2678

33.8278, 0.2989,  
0.2409

49.6886, 0.3080,  
0.2942

27.6990, 0.2933,  
0.2142

59.5390, 0.3115,  
0.3195

22.6840, 0.2871,  
0.1890

70.7419, 0.3144,  
0.3432

18.7095, 0.2803,  
0.1663

83.3478, 0.3167,  
0.3652

15.6930, 0.2733,  
0.1471

91.8473, 0.3193,  
0.3771

■ 13.5395, 0.2662,  
0.1324

■ 92.7284, 0.3228,  
0.3766

■ 12.1336, 0.2593,  
0.1224

■ 93.6377, 0.3263,  
0.3761

■ 11.5218, 0.2552,  
0.1179

■ 94.5754, 0.3298,  
0.3755

■ 95.5417, 0.3334,  
0.3750

# Harmonies

## Analogous

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



41.1355, 0.2640, 0.2578



41.1355, 0.3038, 0.2678



41.1355, 0.3489, 0.2915

# Triad

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



41.1355, 0.3038, 0.2678



41.1355, 0.3910, 0.3910



41.1355, 0.2441, 0.3275

# Complementary

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



41.1355, 0.3038, 0.2678



56.8841, 0.3193, 0.3941

# 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.



41.1355, 0.2746, 0.3709



41.1355, 0.3038, 0.2678



41.1355, 0.3594, 0.4082

# Square

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



41.1355, 0.3038, 0.2678



41.1355, 0.4012, 0.3598



41.1355, 0.3166, 0.4020



41.1355, 0.2316, 0.2884



# Rectangle

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



41.1355, 0.3038, 0.2678



41.1355, 0.3753, 0.3126



41.1355, 0.3166, 0.4020



41.1355, 0.2525, 0.3422

# Sweetspot

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



41.1373, 0.3038, 0.2678



88.2629, 0.3105, 0.3117



41.6139, 0.2737, 0.2803



18.6859, 0.3103, 0.3101



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.



41.1373, 0.3038, 0.2678



58.0716, 0.3012, 0.2532



42.4052, 0.3257, 0.2830



11.8475, 0.3097, 0.3058



7.1534, 0.2562, 0.1185



0.4371, 0.2685, 0.1253



# Inverse Universe

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



41.3390, 0.3494, 0.3130



58.5141, 0.3605, 0.3091



55.9041, 0.3019, 0.3799



11.8581, 0.3250, 0.3230



8.5389, 0.5879, 0.3012

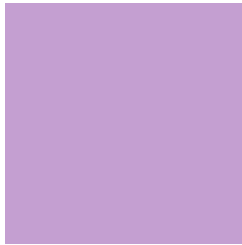


0.4907, 0.5345, 0.2718



# Previews

## White Background



This preview shows how the Yxy color 41.1355, 0.3038, 0.2678 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

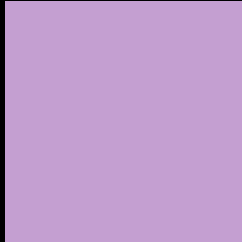
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.1355, 0.3038, 0.2678 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

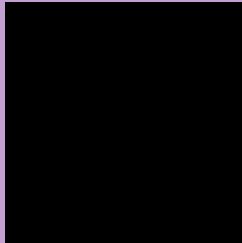
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.1355, 0.3038, 0.2678**

## Background



This preview shows how black text looks on a background with the Yxy color 41.1355, 0.3038, 0.2678.



This preview shows how white text looks on a background with the Yxy color 41.1355, 0.3038, 0.2678.

# 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

41.1355, 0.3038, 0.2678

### Protanopia

41.2328, 0.2687, 0.2677

### Deuteranopia

41.1682, 0.2842, 0.2782



## Tritanopia

41.2010, 0.3256, 0.3122

# Trichromacy



## Original Color

41.1355, 0.3038, 0.2678

## Protanomaly

41.0117, 0.2806, 0.2675

## Deuteranomaly

41.1676, 0.2908, 0.2742

## Tritanomaly

41.2060, 0.3180, 0.2959

# Monochromacy



## Original Color

41.1355, 0.3038, 0.2678

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

42.4476, 0.3094, 0.3055

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.1355, 0.3038, 0.2678 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, 159, 209)` looks like.

```
.text, #text, p{  
    color:rgb(196, 159, 209)  
}
```

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, 159, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 159, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 41.1355, 0.3038, 0.2678 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, 159, 209) }
```

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

```
.border{ border-color:rgb(196, 159, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 159, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 159, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 159, 209);  
box-shadow:4px 4px 4px 4px rgb(196, 159,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.1355, 0.3038, 0.2678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 159, 209) }
```

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

```
.background{ background-color: rgb(196,  
159, 209) }
```

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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