

Converting Colors

$Y_{xy}(34.3298, 0.2929, 0.2075)$

Have a look what the booklet for
Yxy(34.3298, 0.2929, 0.2075)
contains.

Yxy(34.3298, 0.2929, 0.2075)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.3298, 0.2929, 0.2075)

Conversions

Conversions Part 1

Format	Color
Hex	D07EEB
RGB	208, 126, 235
RGB Percent	82%, 49%, 92%
CMY	0.1845, 0.5058, 0.0785
CMYK	0.11, 0.46, 0.00, 0.08
HSL	285°, 73%, 71%
HSV	285°, 46%, 92%
XYZ	48.4588, 34.3298, 82.6562
YIQ	162.9440, 13.8830, 51.2830

Conversions

Conversions Part 2

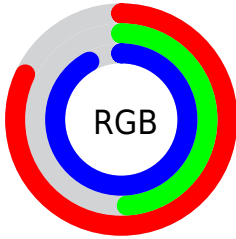
Format	Color
R _Y B	208, 126, 235
Decimal	13663979
CIE Lab	65.22, 49.34, -42.41
CIE LCh	65, 65.056, 319.320
Yxy	34.3298, 0.2929, 0.2075
Android (android.graphics.Color)	4291854059 (0xFFD07EEB)
YUV	162.9440, 35.5236, 39.5141
Hunter-Lab	58.5916, 45.0948, -42.6273

Details

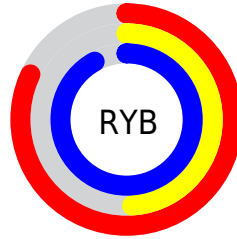
The Yxy color **34.3298, 0.2929, 0.2075** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **67.6912, 0.3222, 0.4679**, and the grayscale version is **36.4245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **14.7315, 0.2836, 0.1789** is the 20% darker color. If you saturate the color by 10%, you get **28.1804, 0.2868, 0.1829**, and if you desaturate by 10%, it is **41.9244, 0.2984, 0.2339**.

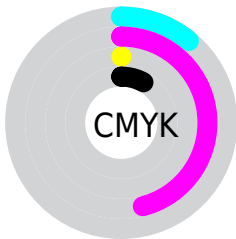
Distribution



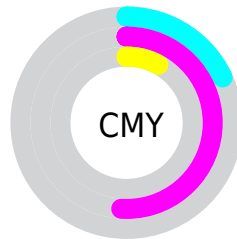
- Red (82%)
- Green (49%)
- Blue (92%)



- Red (82%)
- Yellow (49%)
- Blue (92%)



- Cyan (11%)
- Magenta (46%)
- Yellow (0%)
- Black (8%)




- Cyan (18%)
- Magenta (51%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3298, 0.2929, 0.2075 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 34.3298, 0.2929, 0.2075 by changing the saturation by 10% instead.


 34.3298, 0.2929,
0.2075


 34.3298, 0.2929,
0.2075


321.6001, 0.3051,
0.2644


 23.1471, 0.2893,
0.1946

 66.4462, 0.2978,
0.2272

 14.7021, 0.2844,
0.1789


 88.1487, 0.2995,
0.2349

 8.6106, 0.2775,
0.1595


 114.1265, 0.3009,
0.2415

 4.4881, 0.2674,
0.1349

144.7641, 0.3020,
0.2472

 1.9502, 0.2515,
0.1037

180.4459, 0.3030,
0.2523

 0.5783, 0.2256,
0.0614

221.5562, 0.3038,


 0.0000, 0.1796,

0.2568


0.0000


268.4795, 0.3045,
0.2608


 0.0000, 0.0000,
0.0000


 34.3298, 0.2929,
0.2075


 34.3298, 0.2929,
0.2075


 28.1804, 0.2868,
0.1829


 41.9244, 0.2984,
0.2339


 23.3713, 0.2803,
0.1612


 51.0507, 0.3032,
0.2609

 19.7900, 0.2736,
0.1435


 61.7935, 0.3074,
0.2876


 17.3037, 0.2668,
0.1303


 74.2301, 0.3108,
0.3133


 15.7458, 0.2603,
0.1218

 88.4327, 0.3137,
0.3376

 15.3104, 0.2579,
0.1195

 96.5590, 0.3167,
0.3488

 97.6119, 0.3204,
0.3486

 98.6980, 0.3241,
0.3483

 98.7772, 0.3244,
0.3483

Harmonies

Analogous

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



34.3298, 0.2114, 0.1860



34.3298, 0.2929, 0.2075



34.3298, 0.3963, 0.2521

Triad

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



34.3298, 0.2929, 0.2075



34.3298, 0.4724, 0.4491



34.3298, 0.1663, 0.3120

Complementary

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



34.3298, 0.2929, 0.2075



67.6912, 0.3222, 0.4679

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.



34.3298, 0.2209, 0.4255



34.3298, 0.2929, 0.2075



34.3298, 0.3971, 0.5054

Square

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



34.3298, 0.2929, 0.2075



34.3298, 0.5083, 0.3795



34.3298, 0.3056, 0.5072



34.3298, 0.1487, 0.2305

Rectangle

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



34.3298, 0.2929, 0.2075



34.3298, 0.4584, 0.2910



34.3298, 0.3056, 0.5072



34.3298, 0.1803, 0.3483

Sweetspot

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



34.3312, 0.2929, 0.2075



77.6591, 0.3082, 0.2936



33.3054, 0.2313, 0.2198



15.9641, 0.3074, 0.2880



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.



34.3312, 0.2929, 0.2075



34.0039, 0.2869, 0.1832



37.1302, 0.3444, 0.2410



15.1148, 0.3098, 0.3055



8.5852, 0.2590, 0.1200



0.7187, 0.2679, 0.1249

Inverse Universe

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



34.8902, 0.4066, 0.2988



35.0184, 0.4392, 0.2937



66.1537, 0.2921, 0.4383



15.1153, 0.3254, 0.3232



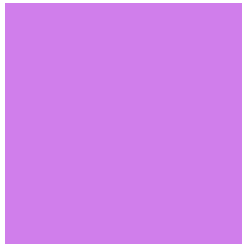
10.0185, 0.5933, 0.3042



0.8017, 0.5543, 0.2827

Previews

White Background



This preview shows how the Yxy color 34.3298, 0.2929, 0.2075 looks on a white background.

Color Contrast Check

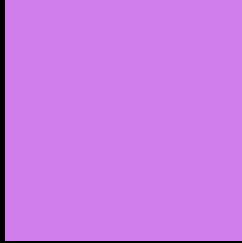
Large Text (above 18pt) WCAG AA × Fail

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 34.3298, 0.2929, 0.2075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

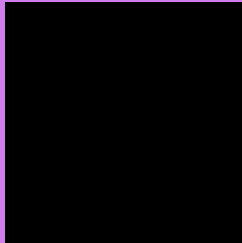
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.3298, 0.2929, 0.2075

Background



This preview shows how black text looks on a background with the Yxy color 34.3298, 0.2929, 0.2075.



This preview shows how white text looks on a background with the Yxy color 34.3298, 0.2929, 0.2075.

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

34.3298, 0.2929, 0.2075

Protanopia

34.6558, 0.2188, 0.2021

Deuteranopia

34.5964, 0.2385, 0.2321



Tritanopia

34.0488, 0.3571, 0.3145

Trichromacy



Original Color

34.3298, 0.2929, 0.2075



Protanomaly

33.3992, 0.2396, 0.2007



Deuteranomaly

33.6982, 0.2553, 0.2206



Tritanomaly

33.6314, 0.3321, 0.2697

Monochromacy



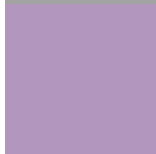
Original Color

34.3298, 0.2929, 0.2075



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

35.0705, 0.3055, 0.2770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3298, 0.2929, 0.2075 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(208, 126, 235)` looks like.

```
.text, #text, p{  
    color:rgb(208, 126, 235)  
}
```

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(208, 126, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 126, 235) }
```

Border

The CSS property to change the border of an element to Yxy 34.3298, 0.2929, 0.2075 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(208, 126, 235) }
```

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

```
.border{ border-color:rgb(208, 126, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 126, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 126, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 126, 235);  
box-shadow:4px 4px 4px 4px rgb(208, 126,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3298, 0.2929, 0.2075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 126, 235) }
```

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

```
.background{ background-color: rgb(208,  
126, 235) }
```

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