

Converting Colors

$Y_{xy}(35.2391, 0.2698, 0.2118)$

Have a look what the booklet for
Yxy(35.2391, 0.2698, 0.2118)
contains.

Yxy(35.3024, 0.2703, 0.2122)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.3024, 0.2703, 0.2122)

Conversions

Conversions Part 1

Format	Color
Hex	B98CEF
RGB	185, 140, 239
RGB Percent	73%, 55%, 94%
CMY	0.2744, 0.4510, 0.0628
CMYK	0.23, 0.41, 0.00, 0.06
HSL	267°, 76%, 74%
HSV	267°, 41%, 94%
XYZ	44.9681, 35.3024, 86.0933
YIQ	164.7410, -4.9590, 40.3290

Conversions

Conversions Part 2

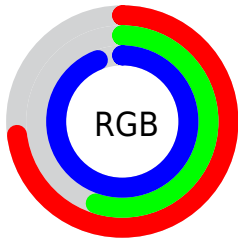
Format	Color
RYB	185, 140, 239
Decimal	12160239
CIELab	65.98, 36.23, -43.59
CIElCh	66, 56.680, 309.731
Yxy	35.3024, 0.2703, 0.2122
Android (android.graphics.Color)	4290350319 (0xFFB98CEF)
YUV	164.7410, 36.6097, 17.7671
Hunter-Lab	59.4158, 31.1178, -44.3199

Details

The Yxy color **35.3024, 0.2703, 0.2122** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **75.0810, 0.3419, 0.4438**, and the grayscale version is **37.3214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8583, 0.3066, 0.2676**, and **15.3095, 0.2561, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **27.5151, 0.2568, 0.1819**, and if you desaturate by 10%, it is **44.7574, 0.2827, 0.2427**.

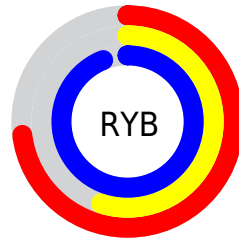
Distribution



Red (73%)

Green (55%)

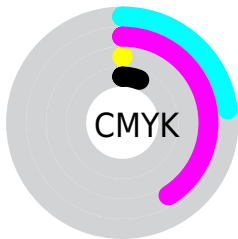
Blue (94%)



Red (73%)

Yellow (55%)

Blue (94%)

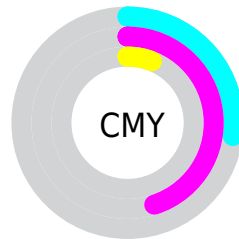


Cyan (23%)

Magenta (41%)

Yellow (0%)

Black (6%)



Cyan (27%)

Magenta (45%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3024, 0.2703, 0.2122 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 35.3024, 0.2703, 0.2122 by changing the saturation by 10% instead.


 35.3024, 0.2703,
0.2122


 35.3024, 0.2703,
0.2122


325.9011, 0.2933,
0.2674

 23.8959, 0.2642,
0.1996


 67.9540, 0.2789,
0.2314

 15.2564, 0.2563,
0.1841


 89.9678, 0.2821,
0.2389

 8.9995, 0.2457,
0.1649


 116.2863, 0.2847,
0.2453

 4.7409, 0.2307,
0.1404

147.2937, 0.2870,
0.2509

 2.0960, 0.2089,
0.1091

183.3745, 0.2889,
0.2558

 0.6624, 0.1755,
0.0680

224.9131, 0.2905,


 0.0000, 0.1134,

0.2601


0.0000

272.2938, 0.2920,
0.2639


 0.0000, 0.0000,
0.0000


 35.3024, 0.2703,
0.2122


 35.3024, 0.2703,
0.2122


 27.5151, 0.2568,
0.1819


 44.7574, 0.2827,
0.2427


 21.2881, 0.2426,
0.1532

 55.9701, 0.2937,
0.2722


 16.5079, 0.2282,
0.1277

 69.0286, 0.3034,
0.2999

 13.0426, 0.2144,
0.1069

 84.0140, 0.3116,
0.3256

 10.7348, 0.2018,
0.0919

 98.1050, 0.3190,
0.3446

■ 9.4644, 0.1923,
0.0833

■ 99.0111, 0.3220,
0.3444

Harmonies

Analogous

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



35.3024, 0.2065, 0.2005



35.3024, 0.2703, 0.2122



35.3024, 0.3568, 0.2466

Triad

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



35.3024, 0.2703, 0.2122



35.3024, 0.4693, 0.4198



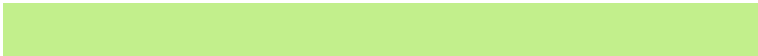
35.3024, 0.1961, 0.3457

Complementary

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



35.3024, 0.2703, 0.2122



75.0810, 0.3419, 0.4438

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.



35.3024, 0.2558, 0.4390



35.3024, 0.2703, 0.2122



35.3024, 0.4136, 0.4726

Square

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



35.3024, 0.2703, 0.2122



35.3024, 0.4820, 0.3578



35.3024, 0.3356, 0.4884



35.3024, 0.1685, 0.2632

Rectangle

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



35.3024, 0.2703, 0.2122



35.3024, 0.4148, 0.2793



35.3024, 0.3356, 0.4884



35.3024, 0.2127, 0.3780

Sweetspot

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



35.3038, 0.2703, 0.2122



78.9792, 0.3028, 0.2983



50.5860, 0.2470, 0.2729



16.4573, 0.3016, 0.2947



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.



35.3038, 0.2703, 0.2122



32.9049, 0.2585, 0.1856



42.4846, 0.3131, 0.2258



15.5809, 0.3051, 0.3051



5.3067, 0.1939, 0.0842



0.4999, 0.2085, 0.0922

Inverse Universe

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



40.9962, 0.3605, 0.2702



40.5994, 0.3753, 0.2584



69.6325, 0.3096, 0.4561



15.9030, 0.3208, 0.3162



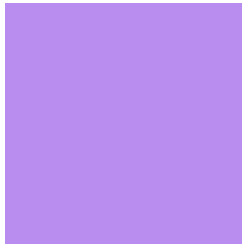
11.0626, 0.4768, 0.2400



0.9404, 0.4506, 0.2256

Previews

White Background



This preview shows how the Yxy color 35.3024, 0.2703, 0.2122 looks on a white background.

Color Contrast Check

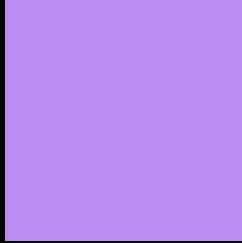
Large Text (above 18pt) WCAG AA × Fail

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 35.3024, 0.2703, 0.2122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

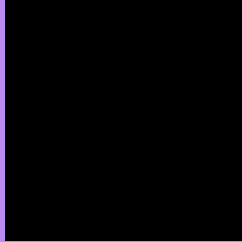
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3024, 0.2703, 0.2122

Background



This preview shows how black text looks on a background with the Yxy color 35.3024, 0.2703, 0.2122.



This preview shows how white text looks on a background with the Yxy color 35.3024, 0.2703, 0.2122.

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

35.3024, 0.2703, 0.2122

Protanopia

35.5548, 0.2219, 0.2062

Deuteranopia

35.4616, 0.2345, 0.2282



Tritanopia

35.1541, 0.3185, 0.3108

Trichromacy



Original Color

35.3024, 0.2703, 0.2122



Protanomaly

35.0838, 0.2363, 0.2071



Deuteranomaly

34.9022, 0.2458, 0.2213



Tritanomaly

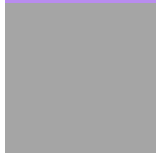
35.0548, 0.2992, 0.2705

Monochromacy



Original Color

35.3024, 0.2703, 0.2122



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

36.3534, 0.2964, 0.2804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3024, 0.2703, 0.2122 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(185, 140, 239)` looks like.

```
.text, #text, p{  
    color:rgb(185, 140, 239)  
}
```

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(185, 140, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 140, 239) }
```

Border

The CSS property to change the border of an element to Yxy 35.3024, 0.2703, 0.2122 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(185, 140, 239) }
```

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

```
.border{ border-color:rgb(185, 140, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 140, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 140, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 140, 239);  
box-shadow:4px 4px 4px 4px rgb(185, 140,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3024, 0.2703, 0.2122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 140, 239) }
```

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

```
.background{ background-color: rgb(185,  
140, 239) }
```

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