

Converting Colors

$Y_{xy}(40.2588, 0.2681, 0.2088)$

Have a look what the booklet for
Yxy(40.2588, 0.2681, 0.2088)
contains.

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Color

Yxy(40.1356, 0.2689, 0.2099)

Conversions

Conversions Part 1

Format	Color
Hex	C494FF
RGB	196, 148, 255
RGB Percent	77%, 58%, 100%
CMY	0.2312, 0.4197, 0.0000
CMYK	0.23, 0.42, 0.00, 0.00
HSL	267°, 100%, 79%
HSV	267°, 42%, 100%
XYZ	51.4172, 40.1356, 99.6602
YIQ	174.5500, -5.7390, 43.4530

Conversions

Conversions Part 2

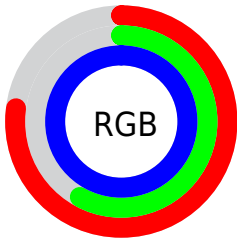
Format	Color
RYB	196, 148, 255
Decimal	12883199
CIELab	69.57, 38.59, -46.66
CIELCh	70, 60.546, 309.591
Yxy	40.1356, 0.2689, 0.2099
Android (android.graphics.Color)	4291073279 (0xFFC494FF)
YUV	174.5500, 39.6619, 18.8117
Hunter-Lab	63.3527, 34.0038, -48.9223

Details

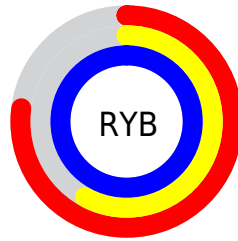
The Yxy color **40.1356, 0.2689, 0.2099** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.9118, 0.3427, 0.4457**, and the grayscale version is **42.4205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0027, 0.3144, 0.2780**, and **18.0184, 0.2550, 0.1824** is the 20% darker color. If you saturate the color by 10%, you get **31.2030, 0.2552, 0.1795**, and if you desaturate by 10%, it is **51.0070, 0.2816, 0.2406**.

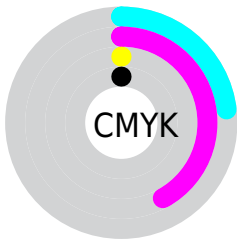
Distribution



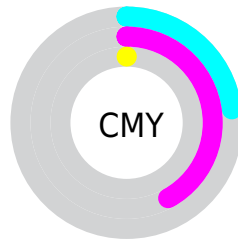
- Red (77%)
- Green (58%)
- Blue (100%)



- Red (77%)
- Yellow (58%)
- Blue (100%)



- Cyan (23%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (23%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.1356, 0.2689, 0.2099 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 40.1356, 0.2689, 0.2099 by changing the saturation by 10% instead.

 40.1356, 0.2689,
0.2099


 40.1356, 0.2689,
0.2099

346.6948, 0.2921,
0.2647

 27.6443, 0.2630,
0.1977


 75.3700, 0.2775,
0.2287

 18.0577, 0.2553,
0.1830


 98.8818, 0.2807,
0.2361

 10.9914, 0.2452,
0.1648


126.8359, 0.2834,
0.2425

 6.0611, 0.2313,
0.1421

159.6167, 0.2856,
0.2481

 2.8822, 0.2116,
0.1135

197.6086, 0.2876,
0.2530

 1.0706, 0.1822,
0.0779

241.1960, 0.2893,


 0.0000, 0.1424,


0.2573


0.0000

290.7633, 0.2908,
0.2612

 0.0000, 0.0000,
0.0000


 40.1356, 0.2689,
0.2099

 40.1356, 0.2689,
0.2099


 31.2030, 0.2552,
0.1795

 51.0070, 0.2816,
0.2406


 24.0863, 0.2407,
0.1507


 63.9271, 0.2929,
0.2703


 18.6497, 0.2262,
0.1254


 78.9985, 0.3027,
0.2983

 14.7368, 0.2123,
0.1049

 96.3167, 0.3112,
0.3242

 12.1600, 0.1998,
0.0904

 100.0000, 0.3127,
0.3290

 10.8345, 0.1909,
0.0825

Harmonies

Analogous

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



40.1356, 0.2041, 0.1981



40.1356, 0.2689, 0.2099



40.1356, 0.3573, 0.2447

Triad

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



40.1356, 0.2689, 0.2099



40.1356, 0.4726, 0.4207



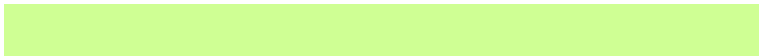
40.1356, 0.1938, 0.3463

Complementary

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



40.1356, 0.2689, 0.2099



86.9118, 0.3427, 0.4457

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.



40.1356, 0.2547, 0.4423



40.1356, 0.2689, 0.2099



40.1356, 0.4156, 0.4752

Square

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



40.1356, 0.2689, 0.2099



40.1356, 0.4858, 0.3575



40.1356, 0.3360, 0.4925



40.1356, 0.1658, 0.2618

Rectangle

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



40.1356, 0.2689, 0.2099



40.1356, 0.4168, 0.2779



40.1356, 0.3360, 0.4925



40.1356, 0.2107, 0.3796

Sweetspot

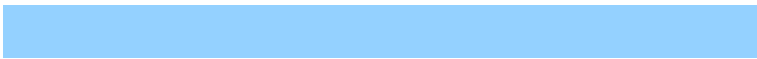
The Sweet Spot groups the original color and five complimentary colors.



40.1360, 0.2689, 0.2099



77.3430, 0.3018, 0.2956



58.9304, 0.2463, 0.2740



15.8128, 0.2997, 0.2895



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.



40.1360, 0.2689, 0.2099



32.8146, 0.2579, 0.1854



48.3247, 0.3116, 0.2237



17.7772, 0.3049, 0.3049



5.7469, 0.1926, 0.0835



0.6233, 0.2051, 0.0904

Inverse Universe

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



46.9342, 0.3610, 0.2686



40.6327, 0.3745, 0.2577



80.6371, 0.3105, 0.4582



18.1545, 0.3207, 0.3160



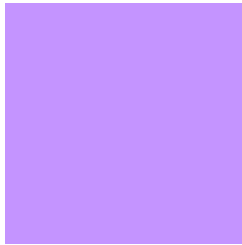
12.1357, 0.4749, 0.2390



1.2036, 0.4525, 0.2266

Previews

White Background



This preview shows how the Yxy color 40.1356, 0.2689, 0.2099 looks on a white background.

Color Contrast Check

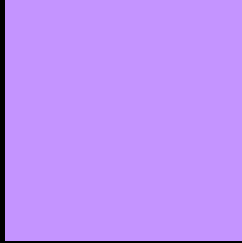
Large Text (above 18pt) WCAG AA × Fail

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 40.1356, 0.2689, 0.2099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

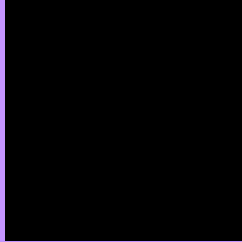
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1356, 0.2689, 0.2099

Background



This preview shows how black text looks on a background with the Yxy color 40.1356, 0.2689, 0.2099.



This preview shows how white text looks on a background with the Yxy color 40.1356, 0.2689, 0.2099.

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

40.1356, 0.2689, 0.2099

Protanopia

40.3464, 0.2323, 0.2205

Deuteranopia

40.4919, 0.2324, 0.2262



Tritanopia

40.0697, 0.3172, 0.3117

Trichromacy



Original Color

40.1356, 0.2689, 0.2099

Protanomaly

39.8352, 0.2441, 0.2155

Deuteranomaly

39.6861, 0.2439, 0.2189

Tritanomaly

39.8173, 0.2983, 0.2698

Monochromacy



Original Color

40.1356, 0.2689, 0.2099

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

41.3372, 0.2965, 0.2793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1356, 0.2689, 0.2099 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, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 148, 255)  
}
```

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, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 148, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.1356, 0.2689, 0.2099 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, 148, 255) }
```

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

```
.border{ border-color:rgb(196, 148, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 148,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1356, 0.2689, 0.2099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 148, 255) }
```

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

```
.background{ background-color: rgb(196,  
148, 255) }
```

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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