

Converting Colors

$Y_{xy}(40.8842, 0.2643, 0.2138)$

Have a look what the booklet for
Yxy(40.8842, 0.2643, 0.2138)
contains.

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Color

Yxy(40.8213, 0.2639, 0.2136)

Conversions

Conversions Part 1

Format	Color
Hex	BD99FF
RGB	189, 153, 255
RGB Percent	74%, 60%, 100%
CMY	0.2588, 0.4000, 0.0000
CMYK	0.26, 0.40, 0.00, 0.00
HSL	261°, 100%, 80%
HSV	261°, 40%, 100%
XYZ	50.4342, 40.8213, 99.8555
YIQ	175.3920, -11.2860, 39.3540

Conversions

Conversions Part 2

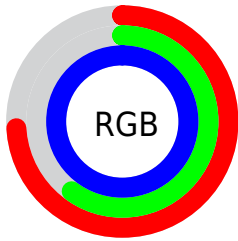
Format	Color
RYB	189, 153, 255
Decimal	12425727
CIELab	70.05, 33.88, -45.95
CIElCh	70, 57.092, 306.406
Yxy	40.8213, 0.2639, 0.2136
Android (android.graphics.Color)	4290615807 (0xFFBD99FF)
YUV	175.3920, 39.2467, 11.9342
Hunter-Lab	63.8915, 29.0926, -47.9397

Details

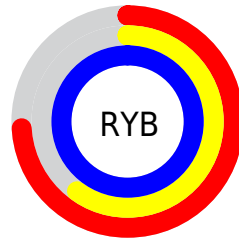
The Yxy color **40.8213, 0.2639, 0.2136** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **88.8757, 0.3481, 0.4375**, and the grayscale version is **42.8801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1059, 0.3091, 0.2823**, and **18.3711, 0.2488, 0.1864** is the 20% darker color. If you saturate the color by 10%, you get **31.3560, 0.2482, 0.1817**, and if you desaturate by 10%, it is **52.3089, 0.2785, 0.2453**.

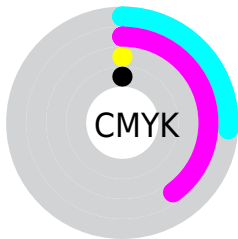
Distribution



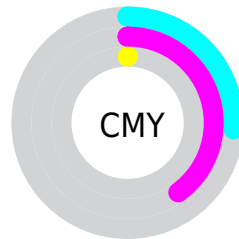
- Red (74%)
- Green (60%)
- Blue (100%)



- Red (74%)
- Yellow (60%)
- Blue (100%)



- Cyan (26%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8213, 0.2639, 0.2136 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 40.8213, 0.2639, 0.2136 by changing the saturation by 10% instead.


 40.8213, 0.2639,
0.2136


 40.8213, 0.2639,
0.2136


349.5732, 0.2893,
0.2670

 28.1795, 0.2575,
0.2017


 76.4125, 0.2732,
0.2320

 18.4610, 0.2493,
0.1872

 100.1308, 0.2767,
0.2392

 11.2815, 0.2386,
0.1693


128.3099, 0.2796,
0.2454

 6.2565, 0.2240,
0.1469

161.3343, 0.2821,
0.2508

 3.0017, 0.2034,
0.1184

199.5885, 0.2843,
0.2556

 1.1326, 0.1731,
0.0826

243.4568, 0.2862,

 0.0056, 0.1328,

0.2598

0.0009

293.3235, 0.2878,
0.2636

0.0000, 0.0000,
0.0000

40.8213, 0.2639,
0.2136

40.8213, 0.2639,
0.2136

31.3560, 0.2482,
0.1817

52.3089, 0.2785,
0.2453

23.7919, 0.2317,
0.1510

65.9324, 0.2915,
0.2755

17.9920, 0.2154,
0.1234

81.7950, 0.3029,
0.3035

13.8008, 0.2000,
0.1007

99.9938, 0.3127,
0.3290

11.0342, 0.1865,
0.0843

100.0000, 0.3127,
0.3290

■ 9.3965, 0.1755,
0.0740

Harmonies

Analogous

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



40.8213, 0.2051, 0.2051



40.8213, 0.2639, 0.2136



40.8213, 0.3456, 0.2448

Triad

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



40.8213, 0.2639, 0.2136



40.8213, 0.4675, 0.4111



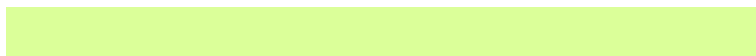
40.8213, 0.2054, 0.3555

Complementary

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



40.8213, 0.2639, 0.2136



88.8757, 0.3481, 0.4375

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.



40.8213, 0.2663, 0.4422



40.8213, 0.2639, 0.2136



40.8213, 0.4180, 0.4632

Square

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



40.8213, 0.2639, 0.2136



40.8213, 0.4735, 0.3509



40.8213, 0.3443, 0.4828



40.8213, 0.1748, 0.2734

Rectangle

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



40.8213, 0.2639, 0.2136



40.8213, 0.4021, 0.2756



40.8213, 0.3443, 0.4828



40.8213, 0.2227, 0.3864

Sweetspot

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



40.8208, 0.2639, 0.2136



78.4440, 0.3007, 0.2981



64.8097, 0.2509, 0.2874



16.3317, 0.2993, 0.2945



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.



40.8208, 0.2639, 0.2136



33.0957, 0.2514, 0.1880



48.4724, 0.3046, 0.2262



17.6898, 0.3034, 0.3048



4.9852, 0.1771, 0.0749



0.5438, 0.1894, 0.0817

Inverse Universe

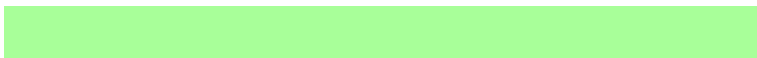
The Inverse Universe completely reimagines the original color for something new.



49.1529, 0.3487, 0.2620



42.6677, 0.3587, 0.2492



82.1767, 0.3157, 0.4494



18.1850, 0.3192, 0.3137



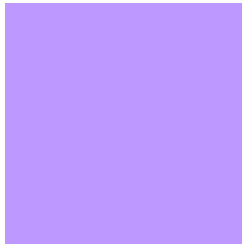
12.5567, 0.4355, 0.2173



1.2434, 0.4189, 0.2082

Previews

White Background



This preview shows how the Yxy color 40.8213, 0.2639, 0.2136 looks on a white background.

Color Contrast Check

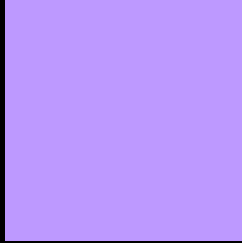
Large Text (above 18pt) WCAG AA × Fail

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 40.8213, 0.2639, 0.2136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

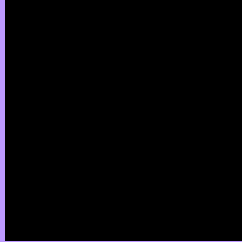
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8213, 0.2639, 0.2136

Background



This preview shows how black text looks on a background with the Yxy color 40.8213, 0.2639, 0.2136.



This preview shows how white text looks on a background with the Yxy color 40.8213, 0.2639, 0.2136.

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

40.8213, 0.2639, 0.2136

Protanopia

41.2587, 0.2339, 0.2233

Deuteranopia

41.0329, 0.2338, 0.2278



Tritanopia

40.8673, 0.3073, 0.3115

Trichromacy



Original Color

40.8213, 0.2639, 0.2136

Protanomaly

40.6835, 0.2433, 0.2187

Deuteranomaly

40.6471, 0.2437, 0.2224

Tritanomaly

40.5011, 0.2899, 0.2704

Monochromacy



Original Color

40.8213, 0.2639, 0.2136

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

41.7004, 0.2939, 0.2815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8213, 0.2639, 0.2136 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(189, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 153, 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(189, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.8213, 0.2639, 0.2136 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(189, 153, 255) }
```

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

```
.border{ border-color:rgb(189, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8213, 0.2639, 0.2136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 153, 255) }
```

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

```
.background{ background-color: rgb(189,  
153, 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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