

Converting Colors

$Y_{xy}(44.2343, 0.2416, 0.1908)$

Have a look what the booklet for
Yxy(44.2343, 0.2416, 0.1908)
contains.

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Color

Yxy(41.8641, 0.2607, 0.2181)

Conversions

Conversions Part 1

Format	Color
Hex	B89EFF
RGB	184, 158, 255
RGB Percent	72%, 62%, 100%
CMY	0.2785, 0.3804, 0.0000
CMYK	0.28, 0.38, 0.00, 0.00
HSL	256°, 100%, 81%
HSV	256°, 38%, 100%
XYZ	50.0411, 41.8641, 100.0439
YIQ	176.8320, -15.6410, 35.6790

Conversions

Conversions Part 2

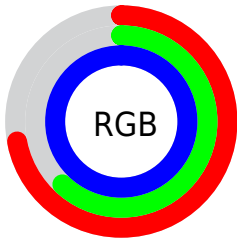
Format	Color
RYB	184, 158, 255
Decimal	12099327
CIELab	70.78, 29.70, -44.82
CIElCh	71, 53.766, 303.530
Yxy	41.8641, 0.2607, 0.2181
Android (android.graphics.Color)	4290289407 (0xFFB89EFF)
YUV	176.8320, 38.5368, 6.2863
Hunter-Lab	64.7025, 24.8232, -46.3833

Details

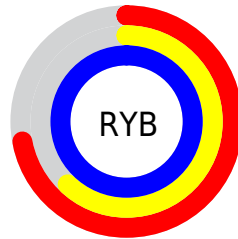
The Yxy color **41.8641, 0.2607, 0.2181** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **90.6436, 0.3522, 0.4299**, and the grayscale version is **43.6748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6857, 0.3055, 0.2869**, and **19.0524, 0.2458, 0.1919** is the 20% darker color. If you saturate the color by 10%, you get **31.8949, 0.2434, 0.1850**, and if you desaturate by 10%, it is **53.9454, 0.2768, 0.2504**.

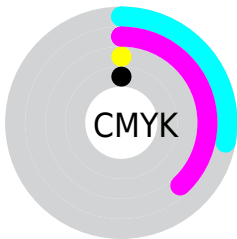
Distribution



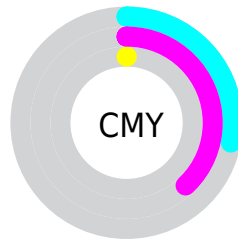
- Red (72%)
- Green (62%)
- Blue (100%)



- Red (72%)
- Yellow (62%)
- Blue (100%)



- Cyan (28%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)




- Cyan (28%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8641, 0.2607, 0.2181 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 41.8641, 0.2607, 0.2181 by changing the saturation by 10% instead.

 41.8641, 0.2607,
0.2181


 41.8641, 0.2607,
0.2181

353.9193, 0.2874,
0.2696

 28.9949, 0.2541,
0.2065


 77.9939, 0.2704,
0.2359

 19.0770, 0.2456,
0.1925


 102.0233, 0.2741,
0.2428

 11.7259, 0.2346,
0.1750


130.5415, 0.2772,
0.2488

 6.5573, 0.2196,
0.1530

163.9330, 0.2798,
0.2540

 3.1868, 0.1987,
0.1249

202.5821, 0.2821,
0.2586

 1.2300, 0.1683,
0.0891

246.8733, 0.2841,

 0.0860, 0.1270,

0.2627

0.0135

297.1909, 0.2858,
0.2663

0.0000, 0.0000,
0.0000

41.8641, 0.2607,
0.2181

41.8641, 0.2607,
0.2181

31.8949, 0.2434,
0.1850

53.9454, 0.2768,
0.2504

23.9085, 0.2254,
0.1527

68.2477, 0.2912,
0.2808

17.7691, 0.2076,
0.1233

84.8785, 0.3038,
0.3086

13.3208, 0.1913,
0.0987

99.9995, 0.3127,
0.3290

10.3809, 0.1774,
0.0807

■ 8.7056, 0.1666,
0.0698

■ 8.4599, 0.1649,
0.0682

Harmonies

Analogous

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



41.8641, 0.2073, 0.2125



41.8641, 0.2607, 0.2181



41.8641, 0.3360, 0.2459

Triad

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



41.8641, 0.2607, 0.2181



41.8641, 0.4608, 0.4024



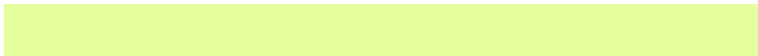
41.8641, 0.2164, 0.3623

Complementary

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



41.8641, 0.2607, 0.2181



90.6436, 0.3522, 0.4299

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.



41.8641, 0.2765, 0.4398



41.8641, 0.2607, 0.2181



41.8641, 0.4183, 0.4519

Square

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



41.8641, 0.2607, 0.2181



41.8641, 0.4610, 0.3454



41.8641, 0.3505, 0.4726



41.8641, 0.1840, 0.2839

Rectangle

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



41.8641, 0.2607, 0.2181



41.8641, 0.3892, 0.2743



41.8641, 0.3505, 0.4726



41.8641, 0.2338, 0.3906

Sweetspot

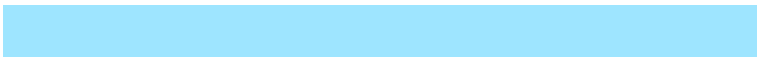
The Sweet Spot groups the original color and five complimentary colors.



41.8657, 0.2607, 0.2181



79.7021, 0.3002, 0.3007



70.6002, 0.2553, 0.2993



16.5676, 0.2986, 0.2969



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.



41.8657, 0.2607, 0.2181



33.7601, 0.2470, 0.1917



48.8929, 0.2986, 0.2293



17.6131, 0.3021, 0.3047



4.4827, 0.1662, 0.0689



0.4872, 0.1775, 0.0751

Inverse Universe

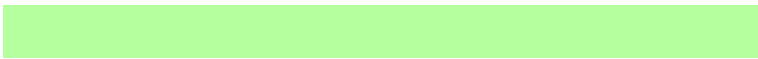
The Inverse Universe completely reimagines the original color for something new.



51.3729, 0.3389, 0.2575



44.7096, 0.3463, 0.2431



83.7643, 0.3206, 0.4409



18.2124, 0.3179, 0.3118



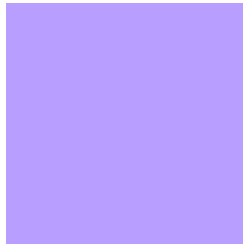
13.0025, 0.4030, 0.1993



1.2842, 0.3914, 0.1930

Previews

White Background



This preview shows how the Yxy color 41.8641, 0.2607, 0.2181 looks on a white background.

Color Contrast Check

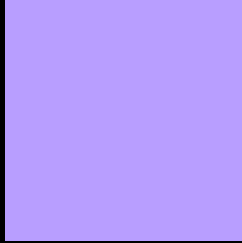
Large Text (above 18pt) WCAG AA × Fail

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 41.8641, 0.2607, 0.2181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

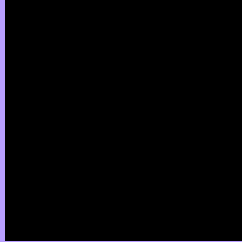
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8641, 0.2607, 0.2181

Background



This preview shows how black text looks on a background with the Yxy color 41.8641, 0.2607, 0.2181.



This preview shows how white text looks on a background with the Yxy color 41.8641, 0.2607, 0.2181.

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

41.8641, 0.2607, 0.2181

Protanopia

41.8987, 0.2359, 0.2250

Deuteranopia

42.1960, 0.2361, 0.2300



Tritanopia

41.7081, 0.3005, 0.3101

Trichromacy



Original Color

41.8641, 0.2607, 0.2181

Protanomaly

41.8634, 0.2445, 0.2225

Deuteranomaly

41.8974, 0.2444, 0.2253

Tritanomaly

41.5707, 0.2853, 0.2728

Monochromacy



Original Color

41.8641, 0.2607, 0.2181

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

42.8605, 0.2933, 0.2843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8641, 0.2607, 0.2181 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(184, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 158, 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(184, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 158, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.8641, 0.2607, 0.2181 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(184, 158, 255) }
```

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

```
.border{ border-color:rgb(184, 158, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 158,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8641, 0.2607, 0.2181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 158, 255) }
```

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

```
.background{ background-color: rgb(184,  
158, 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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