

Converting Colors

Yxy(50.8547, 0.2759, 0.2419)

Have a look what the booklet for
Yxy(50.8547, 0.2759, 0.2419)
contains.

Yxy(50.8272, 0.2757, 0.2419)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.8272, 0.2757, 0.2419)

Conversions

Conversions Part 1

Format	Color
Hex	CAB0FF
RGB	202, 176, 255
RGB Percent	79%, 69%, 100%
CMY	0.2079, 0.3098, 0.0000
CMYK	0.21, 0.31, 0.00, 0.00
HSL	260°, 100%, 85%
HSV	260°, 31%, 100%
XYZ	57.9291, 50.8272, 101.3602
YIQ	192.7800, -9.8630, 30.0810

Conversions

Conversions Part 2

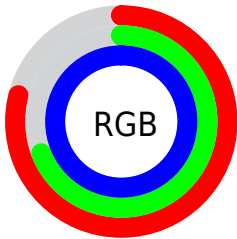
Format	Color
R _Y B	202, 176, 255
Decimal	13283583
CIE Lab	76.57, 24.90, -35.67
CIE LCh	77, 43.503, 304.914
Yxy	50.8272, 0.2757, 0.2419
Android (android.graphics.Color)	4291473663 (0xFFCAB0FF)
YUV	192.7800, 30.6745, 8.0859
Hunter-Lab	71.2932, 20.2767, -34.3896

Details

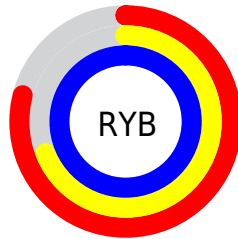
The Yxy color **50.8272, 0.2757, 0.2419** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **91.3123, 0.3421, 0.4114**, and the grayscale version is **53.0142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1932, 0.3138, 0.3068**, and **24.4462, 0.2656, 0.2215** is the 20% darker color. If you saturate the color by 10%, you get **39.4946, 0.2605, 0.2099**, and if you desaturate by 10%, it is **64.3066, 0.2894, 0.2725**.

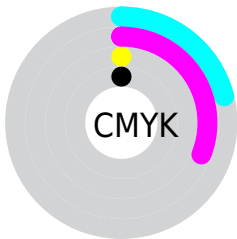
Distribution



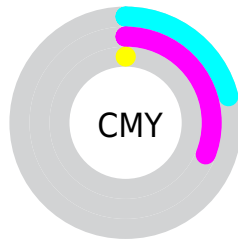
- Red (79%)
- Green (69%)
- Blue (100%)



- Red (79%)
- Yellow (69%)
- Blue (100%)



- Cyan (21%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8272, 0.2757, 0.2419 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 50.8272, 0.2757, 0.2419 by changing the saturation by 10% instead.

■ 50.8272, 0.2757,
0.2419

■ 50.8272, 0.2757,
0.2419

■ 389.8920, 0.2943,
0.2820

■ 36.0711, 0.2711,
0.2329

■ 91.3993, 0.2824,
0.2557

■ 24.4891, 0.2654,
0.2219

■ 117.9841, 0.2849,
0.2611

■ 15.6968, 0.2578,
0.2082

■ 149.2806, 0.2871,
0.2658

■ 9.3099, 0.2477,
0.1906

■ 185.6731, 0.2889,
0.2699

■ 4.9439, 0.2334,
0.1676

■ 227.5461, 0.2905,
0.2734

■ 2.2144, 0.2121,
0.1368

■ 275.2841, 0.2919,

■ 0.7278, 0.1787,

0.2766

0.0937

329.2712, 0.2932,
0.2795

0.0000, 0.0879,
0.0000

0.0000, 0.0000,
0.0000

50.8272, 0.2757,
0.2419

50.8272, 0.2757,
0.2419

39.4946, 0.2605,
0.2099

64.3066, 0.2894,
0.2725

30.1887, 0.2441,
0.1777

80.0321, 0.3014,
0.3008

22.7868, 0.2272,
0.1468

98.1039, 0.3118,
0.3266

17.1496, 0.2105,
0.1193

99.9997, 0.3127,
0.3290

■ 13.1183, 0.1951,
0.0970

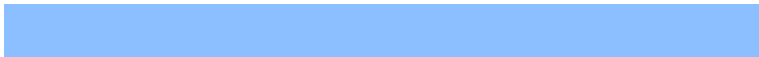
■ 10.5036, 0.1818,
0.0812

■ 9.0987, 0.1722,
0.0722

Harmonies

Analogous

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



50.8272, 0.2318, 0.2372



50.8272, 0.2757, 0.2419



50.8272, 0.3342, 0.2651

Triad

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



50.8272, 0.2757, 0.2419



50.8272, 0.4262, 0.3916



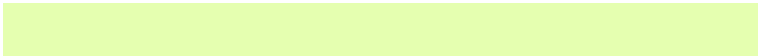
50.8272, 0.2370, 0.3521

Complementary

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



50.8272, 0.2757, 0.2419



91.3123, 0.3421, 0.4114

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.



50.8272, 0.2841, 0.4083



50.8272, 0.2757, 0.2419



50.8272, 0.3941, 0.4264

Square

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



50.8272, 0.2757, 0.2419



50.8272, 0.4262, 0.3468



50.8272, 0.3416, 0.4361



50.8272, 0.2111, 0.2941

Rectangle

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



50.8272, 0.2757, 0.2419



50.8272, 0.3738, 0.2886



50.8272, 0.3416, 0.4361



50.8272, 0.2507, 0.3724

Sweetspot

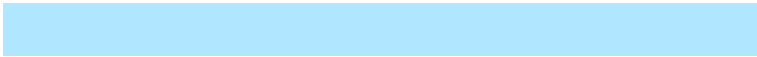
The Sweet Spot groups the original color and five complimentary colors.



50.8293, 0.2757, 0.2419



83.4165, 0.3036, 0.3061



73.0351, 0.2648, 0.3011



17.3196, 0.3020, 0.3022



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.



50.8293, 0.2757, 0.2419



43.7529, 0.2667, 0.2227



56.8895, 0.3050, 0.2490



17.6679, 0.3030, 0.3048



4.8263, 0.1737, 0.0731



0.5264, 0.1858, 0.0797

Inverse Universe

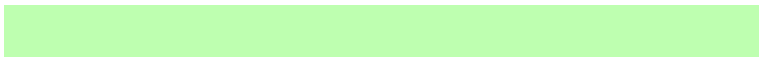
The Inverse Universe completely reimagines the original color for something new.



57.9714, 0.3369, 0.2754



52.0075, 0.3431, 0.2649



85.6623, 0.3171, 0.4183



18.1928, 0.3189, 0.3132



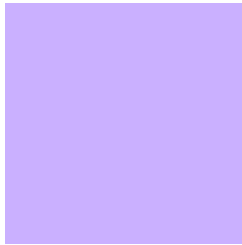
12.6764, 0.4260, 0.2120



1.2544, 0.4109, 0.2037

Previews

White Background



This preview shows how the Yxy color 50.8272, 0.2757, 0.2419 looks on a white background.

Color Contrast Check

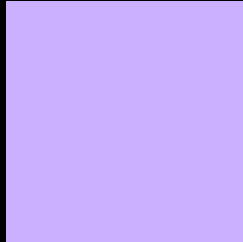
Large Text (above 18pt) WCAG AA × Fail

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 50.8272, 0.2757, 0.2419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

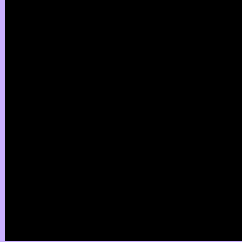
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.8272, 0.2757, 0.2419

Background



This preview shows how black text looks on a background with the Yxy color 50.8272, 0.2757, 0.2419.



This preview shows how white text looks on a background with the Yxy color 50.8272, 0.2757, 0.2419.

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

50.8272, 0.2757, 0.2419

Protanopia

51.1957, 0.2544, 0.2496

Deuteranopia

50.9803, 0.2573, 0.2508



Tritanopia

50.5413, 0.3062, 0.3105

Trichromacy



Original Color

50.8272, 0.2757, 0.2419

Protanomaly

50.9107, 0.2616, 0.2465

Deuteranomaly

50.6789, 0.2635, 0.2466

Tritanomaly

50.4121, 0.2947, 0.2827

Monochromacy



Original Color

50.8272, 0.2757, 0.2419

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

52.2343, 0.2983, 0.2944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8272, 0.2757, 0.2419 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(202, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 176, 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(202, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 176, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.8272, 0.2757, 0.2419 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(202, 176, 255) }
```

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

```
.border{ border-color:rgb(202, 176, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 176,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8272, 0.2757, 0.2419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 176, 255) }
```

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

```
.background{ background-color: rgb(202,  
176, 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](#).

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