

Converting Colors

$Y_{xy}(50.5301, 0.2755, 0.2411)$

Have a look what the booklet for
Yxy(50.5301, 0.2755, 0.2411)
contains.

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Color

Yxy(50.4365, 0.2756, 0.2408)

Conversions

Conversions Part 1

Format	Color
Hex	CAAFFF
RGB	202, 175, 255
RGB Percent	79%, 69%, 100%
CMY	0.2080, 0.3136, 0.0000
CMYK	0.21, 0.31, 0.00, 0.00
HSL	260°, 100%, 84%
HSV	260°, 31%, 100%
XYZ	57.7255, 50.4365, 101.2919
YIQ	192.1930, -9.5880, 30.6040

Conversions

Conversions Part 2

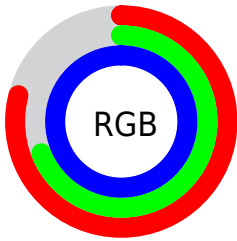
Format	Color
R _Y B	202, 175, 255
Decimal	13283327
CIE Lab	76.34, 25.43, -36.04
CIE LCh	76, 44.106, 305.204
Yxy	50.4365, 0.2756, 0.2408
Android (android.graphics.Color)	4291473407 (0xFFCAAFFF)
YUV	192.1930, 30.9639, 8.6007
Hunter-Lab	71.0187, 20.8060, -34.8506

Details

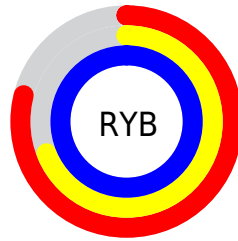
The Yxy color **50.4365, 0.2756, 0.2408** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **91.1146, 0.3420, 0.4126**, and the grayscale version is **52.6493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6318, 0.3138, 0.3058**, and **24.1993, 0.2655, 0.2201** is the 20% darker color. If you saturate the color by 10%, you get **39.1999, 0.2605, 0.2089**, and if you desaturate by 10%, it is **63.8097, 0.2892, 0.2714**.

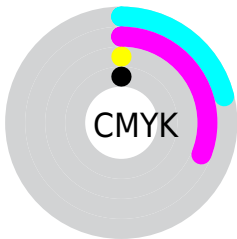
Distribution



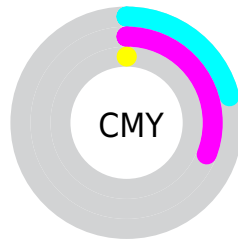
- Red (79%)
- Green (69%)
- Blue (100%)



- 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 50.4365, 0.2756, 0.2408 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 50.4365, 0.2756, 0.2408 by changing the saturation by 10% instead.

 50.4365, 0.2756,
0.2408

 50.4365, 0.2756,
0.2408


388.3705, 0.2943,
0.2814

 35.7604, 0.2710,
0.2317


 90.8213, 0.2823,
0.2548

 24.2492, 0.2652,
0.2205


117.2987, 0.2849,
0.2603

 15.5186, 0.2576,
0.2066


148.4787, 0.2871,
0.2650

 9.1841, 0.2474,
0.1889

184.7456, 0.2889,
0.2691

 4.8615, 0.2329,
0.1657

226.4838, 0.2905,
0.2727

 2.1662, 0.2115,
0.1346

274.0778, 0.2919,

 0.7015, 0.1778,

0.2760

0.0910

327.9119, 0.2932,
0.2788

0.0000, 0.0841,
0.0000

0.0000, 0.0000,
0.0000

50.4365, 0.2756,
0.2408

50.4365, 0.2756,
0.2408

39.1999, 0.2605,
0.2089

63.8097, 0.2892,
0.2714

29.9799, 0.2443,
0.1768

79.4189, 0.3011,
0.2998

22.6535, 0.2275,
0.1461

97.3644, 0.3114,
0.3257

17.0812, 0.2110,
0.1189

99.9994, 0.3127,
0.3290

■ 13.1038, 0.1957,
0.0968

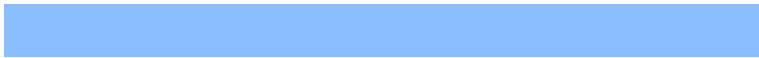
■ 10.5309, 0.1825,
0.0813

■ 9.1914, 0.1732,
0.0728

Harmonies

Analogous

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



50.4365, 0.2309, 0.2358



50.4365, 0.2756, 0.2408



50.4365, 0.3351, 0.2645

Triad

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



50.4365, 0.2756, 0.2408



50.4365, 0.4279, 0.3928



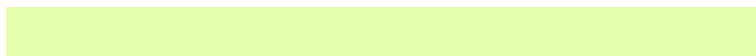
50.4365, 0.2355, 0.3518

Complementary

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



50.4365, 0.2756, 0.2408



91.1146, 0.3420, 0.4126

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.



50.4365, 0.2830, 0.4093



50.4365, 0.2756, 0.2408



50.4365, 0.3948, 0.4282

Square

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



50.4365, 0.2756, 0.2408



50.4365, 0.4282, 0.3474



50.4365, 0.3414, 0.4379



50.4365, 0.2095, 0.2930

Rectangle

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



50.4365, 0.2756, 0.2408



50.4365, 0.3753, 0.2884



50.4365, 0.3414, 0.4379



50.4365, 0.2493, 0.3726

Sweetspot

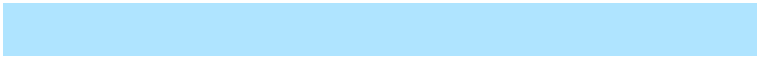
The Sweet Spot groups the original color and five complimentary colors.



50.4385, 0.2756, 0.2408



83.4478, 0.3037, 0.3061



72.0076, 0.2641, 0.2991



17.3273, 0.3021, 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.



50.4385, 0.2756, 0.2408



42.7492, 0.2657, 0.2197



56.7064, 0.3059, 0.2482



17.6749, 0.3031, 0.3048



4.8761, 0.1748, 0.0736



0.5319, 0.1869, 0.0803

Inverse Universe

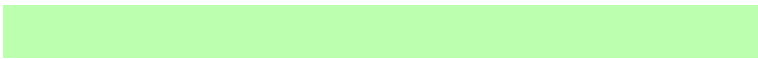
The Inverse Universe completely reimagines the original color for something new.



57.5325, 0.3378, 0.2753



51.0417, 0.3449, 0.2638



85.3463, 0.3164, 0.4198



18.1903, 0.3190, 0.3134



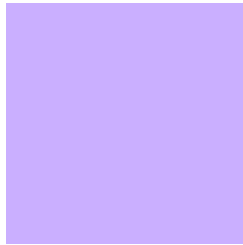
12.6372, 0.4290, 0.2137



1.2508, 0.4135, 0.2051

Previews

White Background



This preview shows how the Yxy color 50.4365, 0.2756, 0.2408 looks on a white background.

Color Contrast Check

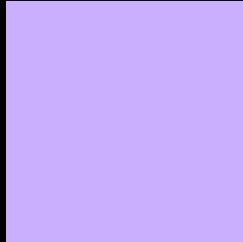
Large Text (above 18pt) WCAG AA × Fail

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 50.4365, 0.2756, 0.2408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

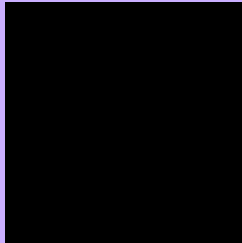
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.4365, 0.2756, 0.2408

Background



This preview shows how black text looks on a background with the Yxy color 50.4365, 0.2756, 0.2408.

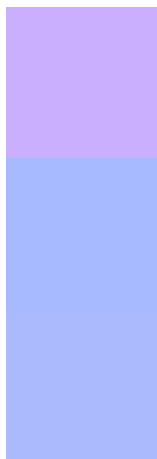


This preview shows how white text looks on a background with the Yxy color 50.4365, 0.2756, 0.2408.

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

50.4365, 0.2756, 0.2408

Protanopia

50.6626, 0.2536, 0.2483

Deuteranopia

50.8676, 0.2566, 0.2506



Tritanopia

50.4944, 0.3070, 0.3117

Trichromacy



Original Color

50.4365, 0.2756, 0.2408

Protanomaly

50.3792, 0.2608, 0.2452

Deuteranomaly

50.5567, 0.2628, 0.2464

Tritanomaly

50.3590, 0.2954, 0.2838

Monochromacy



Original Color

50.4365, 0.2756, 0.2408

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

51.7599, 0.2990, 0.2943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4365, 0.2756, 0.2408 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, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 175, 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, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.4365, 0.2756, 0.2408 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, 175, 255) }
```

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

```
.border{ border-color:rgb(202, 175, 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, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4365, 0.2756, 0.2408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 175, 255) }
```

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

```
.background{ background-color: rgb(202,  
175, 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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