

Converting Colors

Yxy(50.4030, 0.2745, 0.2411)

Have a look what the booklet for
Yxy(50.4030, 0.2745, 0.2411)
contains.

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Color

Yxy(50.5500, 0.2742, 0.2415)

Conversions

Conversions Part 1

Format	Color
Hex	C8B0FF
RGB	200, 176, 255
RGB Percent	78%, 69%, 100%
CMY	0.2158, 0.3098, 0.0000
CMYK	0.22, 0.31, 0.00, 0.00
HSL	258°, 100%, 85%
HSV	258°, 31%, 100%
XYZ	57.3947, 50.5500, 101.3721
YIQ	192.1820, -11.0550, 29.6570

Conversions

Conversions Part 2

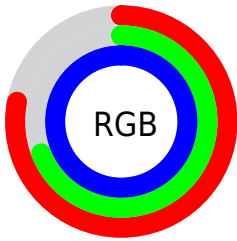
Format	Color
R _Y B	200, 176, 255
Decimal	13152511
CIE Lab	76.41, 24.32, -35.97
CIE LCh	76, 43.420, 304.060
Yxy	50.5500, 0.2742, 0.2415
Android (android.graphics.Color)	4291342591 (0xFFC8B0FF)
YUV	192.1820, 30.9693, 6.8564
Hunter-Lab	71.0985, 19.6727, -34.7666

Details

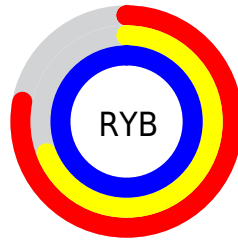
The Yxy color **50.5500, 0.2742, 0.2415** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **91.6486, 0.3434, 0.4111**, and the grayscale version is **52.6422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1932, 0.3138, 0.3068**, and **24.2629, 0.2637, 0.2210** is the 20% darker color. If you saturate the color by 10%, you get **39.1661, 0.2585, 0.2093**, and if you desaturate by 10%, it is **64.0951, 0.2884, 0.2723**.

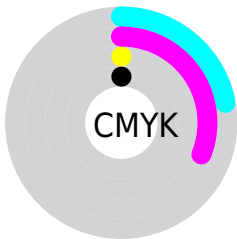
Distribution



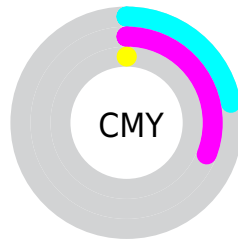
- Red (78%)
- Green (69%)
- Blue (100%)



- Red (78%)
- Yellow (69%)
- Blue (100%)



- Cyan (22%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5500, 0.2742, 0.2415 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 50.5500, 0.2742, 0.2415 by changing the saturation by 10% instead.


 50.5500, 0.2742,
0.2415

 50.5500, 0.2742,
0.2415


388.8129, 0.2935,
0.2818

 35.8506, 0.2695,
0.2324


 90.9893, 0.2812,
0.2554

 24.3188, 0.2635,
0.2214


117.4979, 0.2838,
0.2608

 15.5703, 0.2557,
0.2075


148.7117, 0.2860,
0.2655

 9.2206, 0.2452,
0.1898

185.0152, 0.2879,
0.2696

 4.8854, 0.2305,
0.1667

226.7926, 0.2896,
0.2732

 2.1802, 0.2086,
0.1356

274.4285, 0.2911,

 0.7091, 0.1744,

0.2764

0.0921

328.3071, 0.2924,
0.2793

0.0000, 0.0774,
0.0000

0.0000, 0.0000,
0.0000

50.5500, 0.2742,
0.2415

50.5500, 0.2742,
0.2415

39.1661, 0.2585,
0.2093

64.0951, 0.2884,
0.2723

29.8298, 0.2416,
0.1767

79.9094, 0.3009,
0.3008

22.4146, 0.2242,
0.1455

98.0915, 0.3117,
0.3266

16.7801, 0.2071,
0.1177

100.0000, 0.3127,
0.3290

■ 12.7660, 0.1916,
0.0951

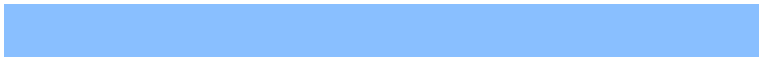
■ 10.1815, 0.1784,
0.0793

■ 8.8137, 0.1689,
0.0704

Harmonies

Analogous

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



50.5500, 0.2309, 0.2374



50.5500, 0.2742, 0.2415



50.5500, 0.3325, 0.2642

Triad

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



50.5500, 0.2742, 0.2415



50.5500, 0.4267, 0.3904



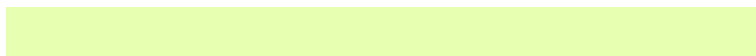
50.5500, 0.2381, 0.3539

Complementary

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



50.5500, 0.2742, 0.2415



91.6486, 0.3434, 0.4111

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.



50.5500, 0.2857, 0.4096



50.5500, 0.2742, 0.2415



50.5500, 0.3953, 0.4257

Square

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



50.5500, 0.2742, 0.2415



50.5500, 0.4256, 0.3455



50.5500, 0.3433, 0.4363



50.5500, 0.2115, 0.2956

Rectangle

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



50.5500, 0.2742, 0.2415



50.5500, 0.3722, 0.2875



50.5500, 0.3433, 0.4363



50.5500, 0.2520, 0.3741

Sweetspot

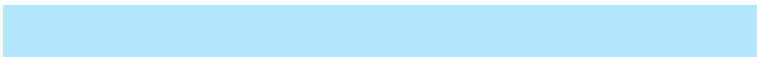
The Sweet Spot groups the original color and five complimentary colors.



50.5495, 0.2742, 0.2415



83.3146, 0.3032, 0.3061



73.7719, 0.2650, 0.3026



17.2946, 0.3015, 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.



50.5495, 0.2742, 0.2415



43.4424, 0.2649, 0.2222



56.6590, 0.3040, 0.2487



17.6449, 0.3026, 0.3048



4.6732, 0.1704, 0.0712



0.5093, 0.1822, 0.0777

Inverse Universe

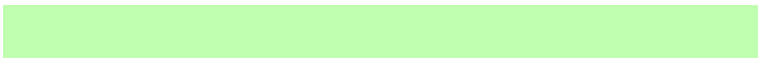
The Inverse Universe completely reimagines the original color for something new.



58.0844, 0.3353, 0.2735



52.1388, 0.3410, 0.2626



85.8359, 0.3180, 0.4180



18.2010, 0.3185, 0.3126



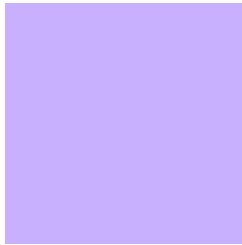
12.8082, 0.4162, 0.2066



1.2665, 0.4026, 0.1992

Previews

White Background



This preview shows how the Yxy color 50.5500, 0.2742, 0.2415 looks on a white background.

Color Contrast Check

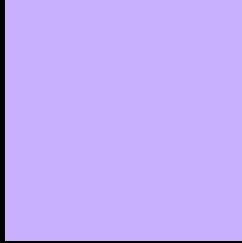
Large Text (above 18pt) WCAG AA × Fail

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 50.5500, 0.2742, 0.2415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

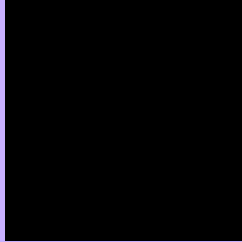
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.5500, 0.2742, 0.2415

Background



This preview shows how black text looks on a background with the Yxy color 50.5500, 0.2742, 0.2415.

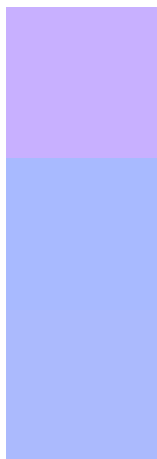


This preview shows how white text looks on a background with the Yxy color 50.5500, 0.2742, 0.2415.

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

50.5500, 0.2742, 0.2415

Protanopia

50.6626, 0.2536, 0.2483

Deuteranopia

50.8676, 0.2566, 0.2506



Tritanopia

50.2820, 0.3046, 0.3104

Trichromacy



Original Color

50.5500, 0.2742, 0.2415

Protanomaly

50.3792, 0.2608, 0.2452

Deuteranomaly

50.5567, 0.2628, 0.2464

Tritanomaly

50.1457, 0.2931, 0.2825

Monochromacy



Original Color

50.5500, 0.2742, 0.2415

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

51.6262, 0.2983, 0.2942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5500, 0.2742, 0.2415 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(200, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 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(200, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 176, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.5500, 0.2742, 0.2415 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(200, 176, 255) }
```

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

```
.border{ border-color:rgb(200, 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(200, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(200, 176, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(200, 176, 255); box-shadow:4px 4px 4px 4px rgb(200, 176, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5500, 0.2742, 0.2415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 176, 255) }
```

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

```
.background{ background-color: rgb(200,  
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](#).

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