

Converting Colors

$Y_{xy}(52.2829, 0.2783, 0.2453)$

Have a look what the booklet for
Yxy(52.2829, 0.2783, 0.2453)
contains.

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Color

Yxy(52.4393, 0.2781, 0.2457)

Conversions

Conversions Part 1

Format	Color
Hex	CDB3FF
RGB	205, 179, 255
RGB Percent	80%, 70%, 100%
CMY	0.1960, 0.2981, 0.0000
CMYK	0.20, 0.30, 0.00, 0.00
HSL	261°, 100%, 85%
HSV	261°, 30%, 100%
XYZ	59.3544, 52.4393, 101.6345
YIQ	195.4380, -8.9000, 29.1480

Conversions

Conversions Part 2

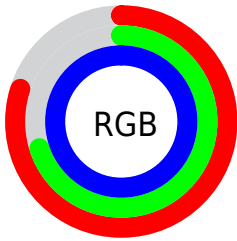
Format	Color
R _{YB}	205, 179, 255
Decimal	13480959
CIE Lab	77.54, 24.17, -34.18
CIE LCh	78, 41.863, 305.269
Yxy	52.4393, 0.2781, 0.2457
Android (android.graphics.Color)	4291671039 (0xFFCDB3FF)
YUV	195.4380, 29.3641, 8.3859
Hunter-Lab	72.4150, 19.5799, -32.5231

Details

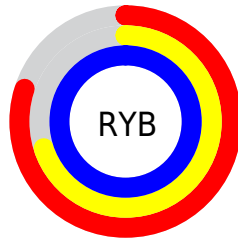
The Yxy color $52.4393, 0.2781, 0.2457$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $91.4290, 0.3403, 0.4083$, and the grayscale version is $54.6731, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.8967, 0.3136, 0.3097$, and $25.4830, 0.2688, 0.2266$ is the 20% darker color. If you saturate the color by 10%, you get $40.8868, 0.2634, 0.2140$, and if you desaturate by 10%, it is $66.1364, 0.2913, 0.2760$.

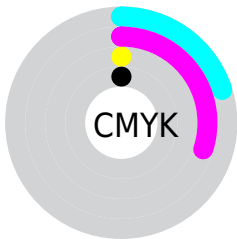
Distribution



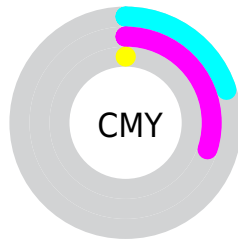
- Red (80%)
- Green (70%)
- Blue (100%)



- Red (80%)
- Yellow (70%)
- Blue (100%)



- Cyan (20%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.4393, 0.2781, 0.2457 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 52.4393, 0.2781, 0.2457 by changing the saturation by 10% instead.


 52.4393, 0.2781,
0.2457

 52.4393, 0.2781,
0.2457


396.1302, 0.2954,
0.2840

 37.3554, 0.2739,
0.2371


 93.7788, 0.2843,
0.2589

 25.4827, 0.2685,
0.2266


120.8031, 0.2867,
0.2640

 16.4371, 0.2615,
0.2135


152.5764, 0.2887,
0.2685

 9.8340, 0.2521,
0.1967

189.4829, 0.2904,
0.2724

 5.2890, 0.2389,
0.1747

231.9072, 0.2919,
0.2758

 2.4178, 0.2192,
0.1450

280.2336, 0.2932,

 0.8350, 0.1878,

0.2788

0.1040

334.8465, 0.2944,
0.2815

0.0000, 0.1134,
0.0000

0.0000, 0.0000,
0.0000

52.4393, 0.2781,
0.2457

52.4393, 0.2781,
0.2457

40.8868, 0.2634,
0.2140

66.1364, 0.2913,
0.2760

31.3679, 0.2474,
0.1819

82.0834, 0.3029,
0.3040

23.7594, 0.2308,
0.1510

100.0000, 0.3127,
0.3290

17.9245, 0.2142,
0.1232

■ 13.7078, 0.1987,
0.1003

■ 10.9252, 0.1852,
0.0837

■ 9.2871, 0.1742,
0.0734

■ 9.2607, 0.1740,
0.0732

Harmonies

Analogous

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



52.4393, 0.2358, 0.2411



52.4393, 0.2781, 0.2457



52.4393, 0.3340, 0.2682

Triad

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



52.4393, 0.2781, 0.2457



52.4393, 0.4208, 0.3897



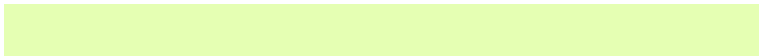
52.4393, 0.2401, 0.3504

Complementary

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



52.4393, 0.2781, 0.2457



91.4290, 0.3403, 0.4083

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.



52.4393, 0.2850, 0.4037



52.4393, 0.2781, 0.2457



52.4393, 0.3901, 0.4224

Square

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



52.4393, 0.2781, 0.2457



52.4393, 0.4209, 0.3470



52.4393, 0.3400, 0.4306



52.4393, 0.2153, 0.2955

Rectangle

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



52.4393, 0.2781, 0.2457



52.4393, 0.3715, 0.2909



52.4393, 0.3400, 0.4306



52.4393, 0.2532, 0.3696

Sweetspot

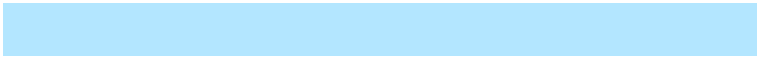
The Sweet Spot groups the original color and five complimentary colors.



52.4388, 0.2781, 0.2457



83.4704, 0.3038, 0.3061



73.2100, 0.2664, 0.3008



17.3328, 0.3022, 0.3023



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.



52.4388, 0.2781, 0.2457



45.0380, 0.2692, 0.2262



58.3938, 0.3064, 0.2523



17.6800, 0.3032, 0.3048



4.9127, 0.1755, 0.0741



0.5359, 0.1878, 0.0808

Inverse Universe

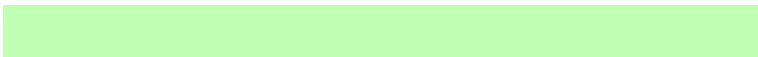
The Inverse Universe completely reimagines the original color for something new.



59.1536, 0.3366, 0.2785



52.8841, 0.3431, 0.2678



85.9367, 0.3163, 0.4146



18.1885, 0.3191, 0.3135



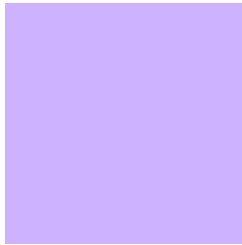
12.6094, 0.4312, 0.2149



1.2483, 0.4153, 0.2062

Previews

White Background



This preview shows how the Yxy color 52.4393, 0.2781, 0.2457 looks on a white background.

Color Contrast Check

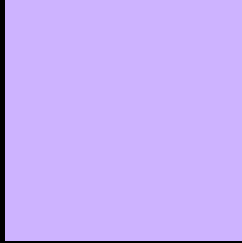
Large Text (above 18pt) WCAG AA × Fail

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 52.4393, 0.2781, 0.2457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

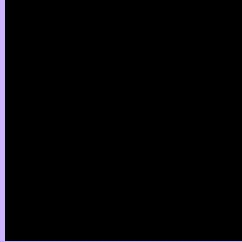
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.4393, 0.2781, 0.2457

Background



This preview shows how black text looks on a background with the Yxy color 52.4393, 0.2781, 0.2457.

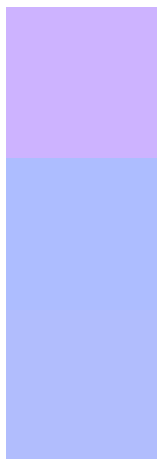


This preview shows how white text looks on a background with the Yxy color 52.4393, 0.2781, 0.2457.

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

52.4393, 0.2781, 0.2457

Protanopia

52.4994, 0.2572, 0.2525

Deuteranopia

52.8342, 0.2609, 0.2550



Tritanopia

52.4906, 0.3071, 0.3108

Trichromacy



Original Color

52.4393, 0.2781, 0.2457

Protanomaly

52.2322, 0.2646, 0.2494

Deuteranomaly

52.4185, 0.2665, 0.2507

Tritanomaly

52.1678, 0.2956, 0.2844

Monochromacy



Original Color

52.4393, 0.2781, 0.2457

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

53.5471, 0.3000, 0.2959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.4393, 0.2781, 0.2457 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(205, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 179, 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(205, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.4393, 0.2781, 0.2457 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(205, 179, 255) }
```

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

```
.border{ border-color:rgb(205, 179, 255) }
```

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

Here you see how a box with a 4 pixel rgb(205, 179, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.4393, 0.2781, 0.2457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 179, 255) }
```

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

```
.background{ background-color: rgb(205,  
179, 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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