

Converting Colors

$Y_{xy}(57.7370, 0.2359, 0.1877)$

Have a look what the booklet for
Yxy(57.7370, 0.2359, 0.1877)
contains.

Yxy(51.7396, 0.2745, 0.2449)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.7396, 0.2745, 0.2449)

Conversions

Conversions Part 1

Format	Color
Hex	C8B3FF
RGB	200, 179, 255
RGB Percent	78%, 70%, 100%
CMY	0.2156, 0.2980, 0.0000
CMYK	0.22, 0.30, 0.00, 0.00
HSL	257°, 100%, 85%
HSV	257°, 30%, 100%
XYZ	57.9931, 51.7396, 101.5355
YIQ	193.9430, -11.8800, 28.0880

Conversions

Conversions Part 2

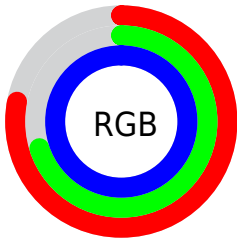
Format	Color
R _Y B	200, 179, 255
Decimal	13153279
CIE Lab	77.12, 22.68, -34.84
CIE LCh	77, 41.569, 303.068
Yxy	51.7396, 0.2745, 0.2449
Android (android.graphics.Color)	4291343359 (0xFFC8B3FF)
YUV	193.9430, 30.1011, 5.3120
Hunter-Lab	71.9302, 18.0362, -33.3416

Details

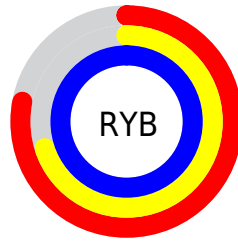
The Yxy color **51.7396, 0.2745, 0.2449** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **92.2613, 0.3437, 0.4075**, and the grayscale version is **53.7399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8967, 0.3136, 0.3097**, and **25.0187, 0.2641, 0.2253** is the 20% darker color. If you saturate the color by 10%, you get **40.0594, 0.2584, 0.2125**, and if you desaturate by 10%, it is **65.6203, 0.2890, 0.2756**.

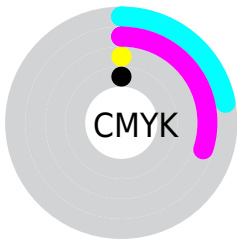
Distribution



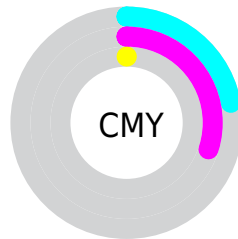
- Red (78%)
- Green (70%)
- Blue (100%)



- Red (78%)
- Yellow (70%)
- Blue (100%)



- Cyan (22%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)




- Cyan (22%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7396, 0.2745, 0.2449 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 51.7396, 0.2745, 0.2449 by changing the saturation by 10% instead.


 51.7396, 0.2745,
0.2449

 51.7396, 0.2745,
0.2449


393.4305, 0.2935,
0.2837

 36.7976, 0.2699,
0.2362


 92.7471, 0.2813,
0.2583

 25.0508, 0.2640,
0.2255


119.5813, 0.2839,
0.2635

 16.1149, 0.2564,
0.2122


151.1484, 0.2861,
0.2680

 9.6055, 0.2462,
0.1951

187.8328, 0.2880,
0.2719

 5.1382, 0.2318,
0.1727

230.0187, 0.2897,
0.2754

 2.3286, 0.2106,
0.1424

278.0908, 0.2911,

 0.7888, 0.1773,

0.2785

0.1004

332.4332, 0.2924,
0.2812

0.0000, 0.0886,
0.0000

0.0000, 0.0000,
0.0000

51.7396, 0.2745,
0.2449

51.7396, 0.2745,
0.2449

40.0594, 0.2584,
0.2125

65.6203, 0.2890,
0.2756

30.4582, 0.2410,
0.1795

81.8017, 0.3018,
0.3039

22.8122, 0.2232,
0.1477

99.9999, 0.3127,
0.3290

16.9814, 0.2057,
0.1190

■ 12.8067, 0.1897,
0.0956

■ 10.0998, 0.1763,
0.0789

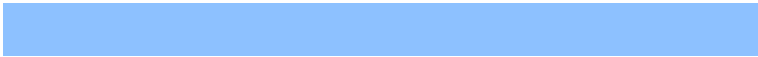
■ 8.5667, 0.1660,
0.0689

■ 8.5423, 0.1658,
0.0687

Harmonies

Analogous

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



51.7396, 0.2336, 0.2417



51.7396, 0.2745, 0.2449



51.7396, 0.3297, 0.2661

Triad

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



51.7396, 0.2745, 0.2449



51.7396, 0.4217, 0.3867



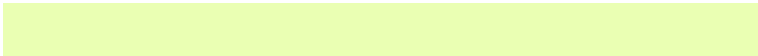
51.7396, 0.2429, 0.3546

Complementary

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



51.7396, 0.2745, 0.2449



92.2613, 0.3437, 0.4075

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.



51.7396, 0.2890, 0.4066



51.7396, 0.2745, 0.2449



51.7396, 0.3930, 0.4204

Square

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



51.7396, 0.2745, 0.2449



51.7396, 0.4193, 0.3437



51.7396, 0.3439, 0.4308



51.7396, 0.2166, 0.2992

Rectangle

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



51.7396, 0.2745, 0.2449



51.7396, 0.3675, 0.2883



51.7396, 0.3439, 0.4308



51.7396, 0.2565, 0.3736

Sweetspot

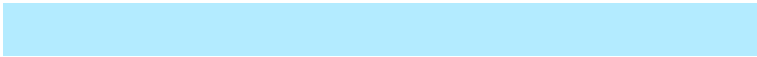
The Sweet Spot groups the original color and five complimentary colors.



51.7417, 0.2745, 0.2449



83.2077, 0.3028, 0.3061



76.0663, 0.2671, 0.3066



17.2684, 0.3011, 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.



51.7417, 0.2745, 0.2449



44.2527, 0.2647, 0.2249



57.5093, 0.3024, 0.2514



17.6209, 0.3022, 0.3047



4.5270, 0.1672, 0.0695



0.4924, 0.1786, 0.0758

Inverse Universe

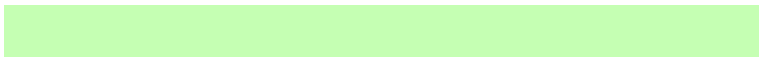
The Inverse Universe completely reimagines the original color for something new.



59.4379, 0.3325, 0.2737



53.2164, 0.3379, 0.2621



86.6075, 0.3194, 0.4138



18.2096, 0.3181, 0.3120



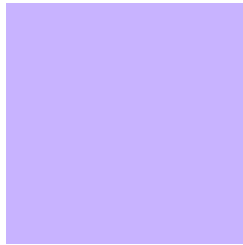
12.9537, 0.4062, 0.2011



1.2798, 0.3941, 0.1945

Previews

White Background



This preview shows how the Yxy color 51.7396, 0.2745, 0.2449 looks on a white background.

Color Contrast Check

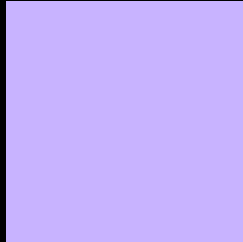
Large Text (above 18pt) WCAG AA × Fail

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 51.7396, 0.2745, 0.2449 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 51.7396, 0.2745, 0.2449

Background



This preview shows how black text looks on a background with the Yxy color 51.7396, 0.2745, 0.2449.

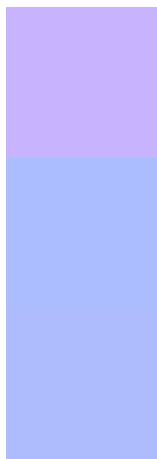


This preview shows how white text looks on a background with the Yxy color 51.7396, 0.2745, 0.2449.

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

51.7396, 0.2745, 0.2449

Protanopia

51.8444, 0.2558, 0.2511

Deuteranopia

52.0570, 0.2589, 0.2534



Tritanopia

51.8312, 0.3031, 0.3106

Trichromacy



Original Color

51.7396, 0.2745, 0.2449

Protanomaly

51.8630, 0.2626, 0.2490

Deuteranomaly

51.9210, 0.2638, 0.2501

Tritanomaly

51.4950, 0.2918, 0.2839

Monochromacy



Original Color

51.7396, 0.2745, 0.2449

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

53.0888, 0.2983, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7396, 0.2745, 0.2449 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, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 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(200, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.7396, 0.2745, 0.2449 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, 179, 255) }
```

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

```
.border{ border-color:rgb(200, 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(200, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7396, 0.2745, 0.2449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 179, 255) }
```

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

```
.background{ background-color: rgb(200,  
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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