

Converting Colors

$Y_{xy}(52.1500, 0.2740, 0.2450)$

Have a look what the booklet for
Yxy(52.1500, 0.2740, 0.2450)
contains.

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Color

Yxy(52.1419, 0.2746, 0.2460)

Conversions

Conversions Part 1

Format	Color
Hex	C8B4FF
RGB	200, 180, 255
RGB Percent	78%, 71%, 100%
CMY	0.2154, 0.2942, 0.0000
CMYK	0.22, 0.29, 0.00, 0.00
HSL	256°, 100%, 85%
HSV	256°, 29%, 100%
XYZ	58.2039, 52.1419, 101.6131
YIQ	194.5300, -12.1550, 27.5650

Conversions

Conversions Part 2

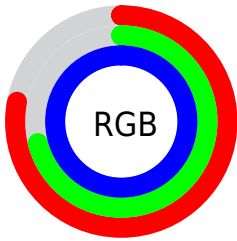
Format	Color
R _Y B	200, 180, 255
Decimal	13153535
CIE Lab	77.37, 22.16, -34.47
CIE LCh	77, 40.977, 302.732
Yxy	52.1419, 0.2746, 0.2460
Android (android.graphics.Color)	4291343615 (0xFFC8B4FF)
YUV	194.5300, 29.8117, 4.7972
Hunter-Lab	72.2093, 17.5125, -32.8864

Details

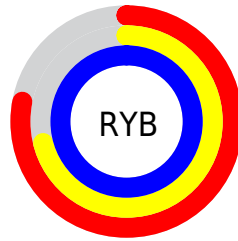
The Yxy color **52.1419, 0.2746, 0.2460** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **92.4629, 0.3437, 0.4063**, and the grayscale version is **54.1088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4709, 0.3136, 0.3107**, and **25.2757, 0.2642, 0.2267** is the 20% darker color. If you saturate the color by 10%, you get **40.3615, 0.2583, 0.2135**, and if you desaturate by 10%, it is **66.1329, 0.2893, 0.2767**.

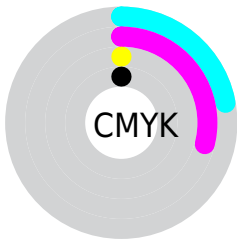
Distribution



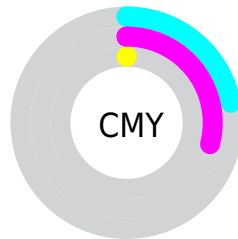
- Red (78%)
- Green (71%)
- Blue (100%)



- Red (78%)
- Yellow (71%)
- Blue (100%)



- Cyan (22%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.1419, 0.2746, 0.2460 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 52.1419, 0.2746, 0.2460 by changing the saturation by 10% instead.


 52.1419, 0.2746,
0.2460

 52.1419, 0.2746,
0.2460


394.9842, 0.2935,
0.2843

 37.1182, 0.2700,
0.2374


 93.3405, 0.2814,
0.2592

 25.2990, 0.2642,
0.2269


120.2841, 0.2840,
0.2643

 16.3000, 0.2566,
0.2137

151.9699, 0.2862,
0.2688

 9.7367, 0.2465,
0.1968

188.7822, 0.2881,
0.2727

 5.2247, 0.2323,
0.1746

231.1053, 0.2897,
0.2761

 2.3797, 0.2113,
0.1446

279.3238, 0.2911,

 0.8154, 0.1783,

0.2791

0.1031

333.8220, 0.2924,
0.2818

0.0000, 0.0924,
0.0000

0.0000, 0.0000,
0.0000

52.1419, 0.2746,
0.2460

52.1419, 0.2746,
0.2460

40.3615, 0.2583,
0.2135

66.1329, 0.2893,
0.2767

30.6722, 0.2409,
0.1804

82.4371, 0.3022,
0.3049

22.9496, 0.2228,
0.1484

100.0000, 0.3127,
0.3290

17.0538, 0.2052,
0.1195

■ 12.8260, 0.1891,
0.0958

■ 10.0786, 0.1756,
0.0788

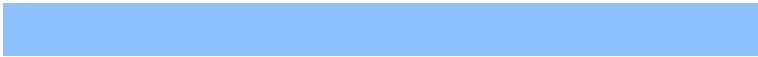
■ 8.5300, 0.1654,
0.0687

■ 8.4583, 0.1648,
0.0682

Harmonies

Analogous

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



52.1419, 0.2345, 0.2431



52.1419, 0.2746, 0.2460



52.1419, 0.3288, 0.2668

Triad

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



52.1419, 0.2746, 0.2460



52.1419, 0.4201, 0.3855



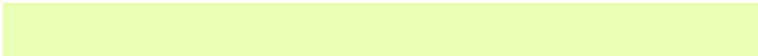
52.1419, 0.2445, 0.3549

Complementary

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



52.1419, 0.2746, 0.2460



92.4629, 0.3437, 0.4063

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.



52.1419, 0.2900, 0.4056



52.1419, 0.2746, 0.2460



52.1419, 0.3922, 0.4187

Square

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



52.1419, 0.2746, 0.2460



52.1419, 0.4173, 0.3431



52.1419, 0.3441, 0.4291



52.1419, 0.2182, 0.3003

Rectangle

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



52.1419, 0.2746, 0.2460



52.1419, 0.3660, 0.2885



52.1419, 0.3441, 0.4291



52.1419, 0.2579, 0.3735

Sweetspot

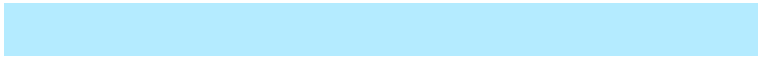
The Sweet Spot groups the original color and five complimentary colors.



52.1433, 0.2746, 0.2460



83.1720, 0.3027, 0.3061



76.3350, 0.2676, 0.3069



17.2597, 0.3009, 0.3021



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.



52.1433, 0.2746, 0.2460



45.3026, 0.2657, 0.2280



57.9452, 0.3026, 0.2524



17.6129, 0.3021, 0.3047



4.4815, 0.1662, 0.0689



0.4871, 0.1774, 0.0751

Inverse Universe

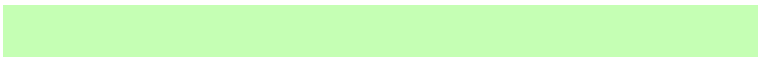
The Inverse Universe completely reimagines the original color for something new.



59.8887, 0.3317, 0.2738



54.2173, 0.3363, 0.2632



86.7506, 0.3193, 0.4126



18.2125, 0.3179, 0.3118



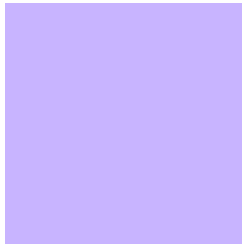
13.0039, 0.4029, 0.1993



1.2843, 0.3914, 0.1930

Previews

White Background



This preview shows how the Yxy color 52.1419, 0.2746, 0.2460 looks on a white background.

Color Contrast Check

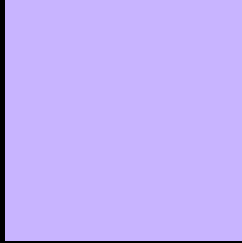
Large Text (above 18pt) WCAG AA × Fail

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 52.1419, 0.2746, 0.2460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

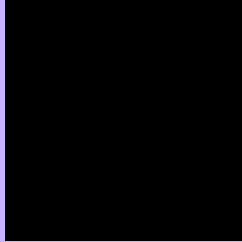
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.1419, 0.2746, 0.2460

Background



This preview shows how black text looks on a background with the Yxy color 52.1419, 0.2746, 0.2460.

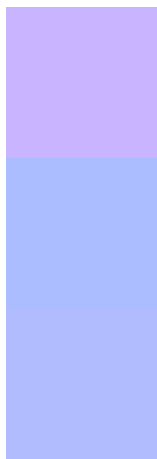


This preview shows how white text looks on a background with the Yxy color 52.1419, 0.2746, 0.2460.

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

52.1419, 0.2746, 0.2460

Protanopia

52.3858, 0.2566, 0.2524

Deuteranopia

52.2884, 0.2602, 0.2537



Tritanopia

52.3111, 0.3024, 0.3106

Trichromacy



Original Color

52.1419, 0.2746, 0.2460

Protanomaly

52.2829, 0.2627, 0.2502

Deuteranomaly

52.1680, 0.2652, 0.2504

Tritanomaly

51.9149, 0.2918, 0.2851

Monochromacy



Original Color

52.1419, 0.2746, 0.2460

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

53.7070, 0.2984, 0.2970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1419, 0.2746, 0.2460 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, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 180, 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, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 180, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.1419, 0.2746, 0.2460 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, 180, 255) }
```

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

```
.border{ border-color:rgb(200, 180, 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, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 180,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1419, 0.2746, 0.2460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 180, 255) }
```

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

```
.background{ background-color: rgb(200,  
180, 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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