

Converting Colors

$Yxy(54.1724, 0.2777, 0.2507)$

Have a look what the booklet for
Yxy(54.1724, 0.2777, 0.2507)
contains.

Yxy(54.3383, 0.2777, 0.2511)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(54.3383, 0.2777, 0.2511)

Conversions

Conversions Part 1

Format	Color
Hex	CCB8FF
RGB	204, 184, 255
RGB Percent	80%, 72%, 100%
CMY	0.2001, 0.2784, 0.0000
CMYK	0.20, 0.28, 0.00, 0.00
HSL	257°, 100%, 86%
HSV	257°, 28%, 100%
XYZ	60.0946, 54.3383, 101.9682
YIQ	198.0740, -10.8710, 26.3210

Conversions

Conversions Part 2

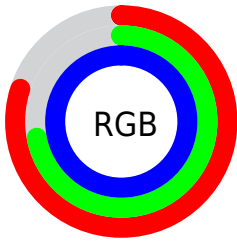
Format	Color
RYB	204, 184, 255
Decimal	13416703
CIELab	78.66, 21.13, -32.47
CIELCh	79, 38.740, 303.058
Yxy	54.3383, 0.2777, 0.2511
Android (android.graphics.Color)	4291606783 (0xFFCCB8FF)
YUV	198.0740, 28.0645, 5.1971
Hunter-Lab	73.7145, 16.5188, -30.4148

Details

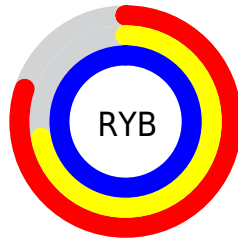
The Yxy color $54.3383, 0.2777, 0.2511$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $92.6462, 0.3415, 0.4021$, and the grayscale version is $56.3479, 0.3127, 0.3290$.

A 20% lighter version of the original color is $90.8002, 0.3134, 0.3146$, and $26.6994, 0.2685, 0.2335$ is the 20% darker color. If you saturate the color by 10%, you get $42.2424, 0.2620, 0.2190$, and if you desaturate by 10%, it is $68.6464, 0.2918, 0.2814$.

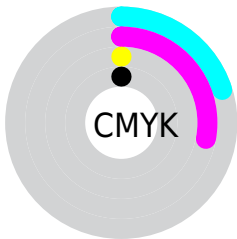
Distribution



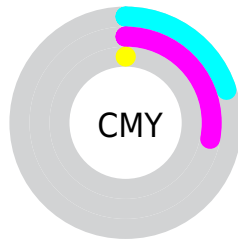
- Red (80%)
- Green (72%)
- Blue (100%)



- Red (80%)
- Yellow (72%)
- Blue (100%)



- Cyan (20%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.3383, 0.2777, 0.2511 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 54.3383, 0.2777, 0.2511 by changing the saturation by 10% instead.

■ 54.3383, 0.2777,
0.2511

■ 54.3383, 0.2777,
0.2511

403.3987, 0.2950,
0.2869

■ 38.8722, 0.2735,
0.2430

■ 96.5708, 0.2839,
0.2634

■ 26.6603, 0.2682,
0.2332

124.1060, 0.2863,
0.2683

■ 17.3183, 0.2614,
0.2209

156.4329, 0.2883,
0.2724

■ 10.4617, 0.2522,
0.2051

193.9361, 0.2900,
0.2761

■ 5.7061, 0.2393,
0.1842

236.9999, 0.2915,
0.2793

■ 2.6672, 0.2203,
0.1559

286.0086, 0.2928,

■ 0.9606, 0.1902,

0.2821

0.1161

341.3468, 0.2940,
0.2846

0.0000, 0.1251,
0.0000

0.0000, 0.0000,
0.0000

54.3383, 0.2777,
0.2511

54.3383, 0.2777,
0.2511

42.2424, 0.2620,
0.2190

68.6464, 0.2918,
0.2814

32.2482, 0.2449,
0.1861

85.2743, 0.3042,
0.3092

24.2315, 0.2272,
0.1540

100.0000, 0.3127,
0.3290

18.0557, 0.2096,
0.1246

■ 13.5663, 0.1933,
0.1000

■ 10.5822, 0.1793,
0.0819

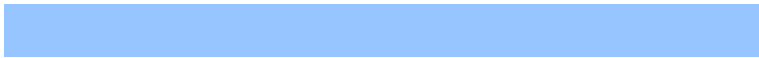
■ 8.8646, 0.1684,
0.0708

■ 8.5888, 0.1663,
0.0690

Harmonies

Analogous

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



54.3383, 0.2397, 0.2484



54.3383, 0.2777, 0.2511



54.3383, 0.3285, 0.2708

Triad

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



54.3383, 0.2777, 0.2511



54.3383, 0.4129, 0.3828



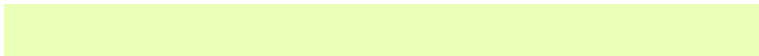
54.3383, 0.2486, 0.3527

Complementary

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



54.3383, 0.2777, 0.2511



92.6462, 0.3415, 0.4021

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.



54.3383, 0.2912, 0.3995



54.3383, 0.2777, 0.2511



54.3383, 0.3869, 0.4133

Square

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



54.3383, 0.2777, 0.2511



54.3383, 0.4104, 0.3431



54.3383, 0.3419, 0.4219



54.3383, 0.2239, 0.3021

Rectangle

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



54.3383, 0.2777, 0.2511



54.3383, 0.3630, 0.2915



54.3383, 0.3419, 0.4219



54.3383, 0.2612, 0.3698

Sweetspot

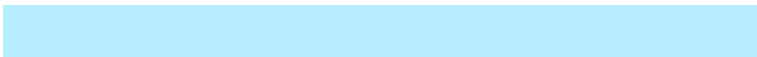
The Sweet Spot groups the original color and five complimentary colors.



54.3374, 0.2777, 0.2511



84.9929, 0.3040, 0.3087



77.4405, 0.2700, 0.3082



17.6252, 0.3023, 0.3047



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.



54.3374, 0.2777, 0.2511



47.8292, 0.2698, 0.2348



59.7546, 0.3033, 0.2567



17.6252, 0.3023, 0.3047



4.5520, 0.1678, 0.0698



0.4954, 0.1792, 0.0761

Inverse Universe

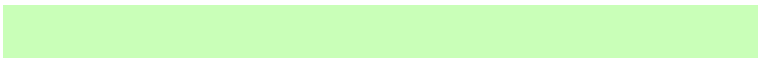
The Inverse Universe completely reimagines the original color for something new.



61.5415, 0.3312, 0.2778



56.1166, 0.3356, 0.2681



87.3387, 0.3191, 0.4075



18.2080, 0.3181, 0.3121



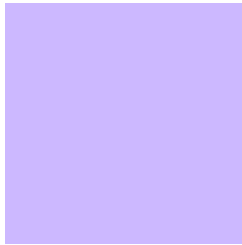
12.9272, 0.4079, 0.2021



1.2774, 0.3956, 0.1953

Previews

White Background



This preview shows how the Yxy color 54.3383, 0.2777, 0.2511 looks on a white background.

Color Contrast Check

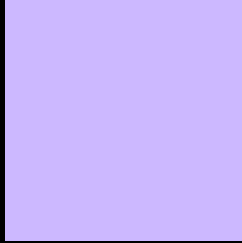
Large Text (above 18pt) WCAG AA × Fail

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 54.3383, 0.2777, 0.2511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

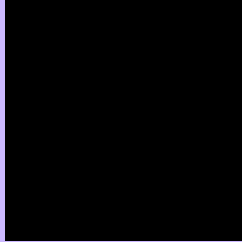
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.3383, 0.2777, 0.2511

Background



This preview shows how black text looks on a background with the Yxy color 54.3383, 0.2777, 0.2511.

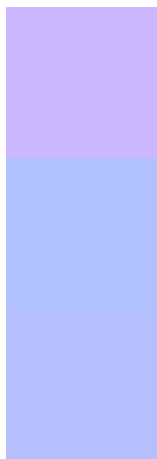


This preview shows how white text looks on a background with the Yxy color 54.3383, 0.2777, 0.2511.

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

54.3383, 0.2777, 0.2511

Protanopia

54.2664, 0.2602, 0.2566

Deuteranopia

54.3624, 0.2639, 0.2570



Tritanopia

54.4298, 0.3041, 0.3110

Trichromacy



Original Color

54.3383, 0.2777, 0.2511

Protanomaly

54.1800, 0.2664, 0.2544

Deuteranomaly

54.0693, 0.2689, 0.2546

Tritanomaly

54.4053, 0.2943, 0.2882

Monochromacy



Original Color

54.3383, 0.2777, 0.2511

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

55.5338, 0.2993, 0.2985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.3383, 0.2777, 0.2511 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(204, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 184, 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(204, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 184, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.3383, 0.2777, 0.2511 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(204, 184, 255) }
```

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

```
.border{ border-color:rgb(204, 184, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 184,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.3383, 0.2777, 0.2511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 184, 255) }
```

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

```
.background{ background-color: rgb(204,  
184, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor