

Converting Colors

$Yxy(49.5853, 0.2766, 0.2947)$

Have a look what the booklet for
Yxy(49.5853, 0.2766, 0.2947)
contains.

Yxy(49.5685, 0.2767, 0.2947)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.5685, 0.2767, 0.2947)

Conversions

Conversions Part 1

Format	Color
Hex	A7BDD8
RGB	167, 189, 216
RGB Percent	65%, 74%, 85%
CMY	0.3448, 0.2589, 0.1529
CMYK	0.23, 0.13, 0.00, 0.15
HSL	213°, 39%, 75%
HSV	213°, 23%, 85%
XYZ	46.5409, 49.5685, 72.0905
YIQ	185.5000, -21.7790, 3.7330

Conversions

Conversions Part 2

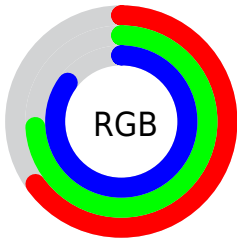
Format	Color
RYB	167, 182, 216
Decimal	10993112
CIELab	75.80, -1.61, -16.03
CIELCh	76, 16.114, 264.268
Yxy	49.5685, 0.2767, 0.2947
Android (android.graphics.Color)	4289183192 (0xFFA7BDD8)
YUV	185.5000, 15.0365, -16.2245
Hunter-Lab	70.4049, -5.2118, -11.4260

Details

The Yxy color **49.5685, 0.2767, 0.2947** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.0233, 0.3520, 0.3610**, and the grayscale version is **48.7400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2128, 0.2932, 0.3188**, and **23.7589, 0.2670, 0.2860** is the 20% darker color. If you saturate the color by 10%, you get **42.4870, 0.2599, 0.2769**, and if you desaturate by 10%, it is **57.4693, 0.2930, 0.3109**.

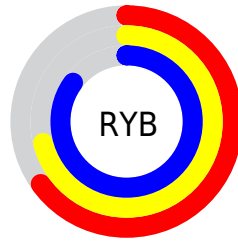
Distribution



Red (65%)

Green (74%)

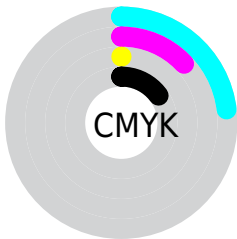
Blue (85%)



Red (65%)

Yellow (71%)

Blue (85%)

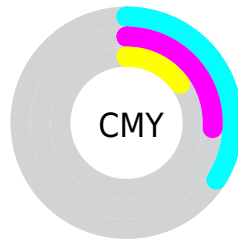


Cyan (23%)

Magenta (13%)

Yellow (0%)

Black (15%)



Cyan (34%)

Magenta (26%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.5685, 0.2767, 0.2947 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 49.5685, 0.2767, 0.2947 by changing the saturation by 10% instead.

■ 49.5685, 0.2767,
0.2947

■ 49.5685, 0.2767,
0.2947

■ 384.9761, 0.2943,
0.3116

■ 35.0707, 0.2724,
0.2906

■ 89.5352, 0.2830,
0.3008

■ 23.7173, 0.2670,
0.2853

■ 115.7729, 0.2854,
0.3031

■ 15.1241, 0.2599,
0.2784

■ 146.6926, 0.2875,
0.3050

■ 8.9065, 0.2502,
0.2690

■ 182.6788, 0.2892,
0.3067

■ 4.6802, 0.2364,
0.2555

■ 224.1159, 0.2908,
0.3082

■ 2.0609, 0.2150,
0.2343

■ 271.3882, 0.2921,

■ 0.6425, 0.1725,

0.3095

0.1939

324.8801, 0.2933,
0.3106

0.0000, 0.0000,
0.0000

49.5685, 0.2767,
0.2947

49.5685, 0.2767,
0.2947

42.4870, 0.2599,
0.2769

57.4693, 0.2930,
0.3109

36.1890, 0.2432,
0.2575

66.2112, 0.3087,
0.3254

30.6451, 0.2268,
0.2370

75.8227, 0.3235,
0.3383

25.8209, 0.2114,
0.2156

86.3290, 0.3374,
0.3497

21.6790, 0.1977,
0.1940

93.7450, 0.3367,
0.3611

■ 18.1774, 0.1861,
0.1728

■ 97.7387, 0.3357,
0.3671

■ 15.2674, 0.1771,
0.1527

■ 13.4553, 0.1720,
0.1390

Harmonies

Analogous

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



49.5685, 0.2708, 0.3062



49.5685, 0.2767, 0.2947



49.5685, 0.2921, 0.2924

Triad

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



49.5685, 0.2767, 0.2947



49.5685, 0.3513, 0.3313



49.5685, 0.3107, 0.3616

Complementary

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



49.5685, 0.2767, 0.2947



56.0233, 0.3520, 0.3610

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.



49.5685, 0.3326, 0.3681



49.5685, 0.2767, 0.2947



49.5685, 0.3566, 0.3496

Square

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



49.5685, 0.2767, 0.2947



49.5685, 0.3353, 0.3132



49.5685, 0.3495, 0.3633



49.5685, 0.2900, 0.3454

Rectangle

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



49.5685, 0.2767, 0.2947



49.5685, 0.3060, 0.2960



49.5685, 0.3495, 0.3633



49.5685, 0.3182, 0.3651

Sweetspot

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



49.5705, 0.2767, 0.2947



90.6410, 0.3019, 0.3192



61.2378, 0.2927, 0.3567



19.2345, 0.3009, 0.3183



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.



49.5705, 0.2767, 0.2947



67.2909, 0.2690, 0.2867



41.1147, 0.2764, 0.2662



12.9150, 0.2982, 0.3158



8.1715, 0.1727, 0.1418



0.6567, 0.1820, 0.1752

Inverse Universe

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



45.9384, 0.3387, 0.3031



61.4495, 0.3455, 0.2975



66.1439, 0.3448, 0.3856



12.5123, 0.3222, 0.3186



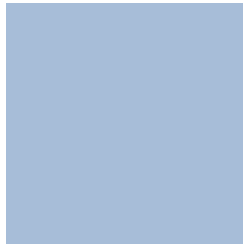
9.1698, 0.5167, 0.2620



0.5696, 0.4744, 0.2387

Previews

White Background



This preview shows how the Yxy color 49.5685, 0.2767, 0.2947 looks on a white background.

Color Contrast Check

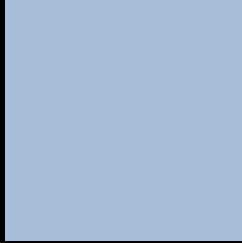
Large Text (above 18pt) WCAG AA × Fail

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 49.5685, 0.2767, 0.2947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

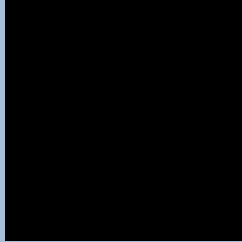
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

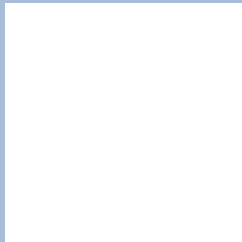
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.5685, 0.2767, 0.2947

Background



This preview shows how black text looks on a background with the Yxy color 49.5685, 0.2767, 0.2947.



This preview shows how white text looks on a background with the Yxy color 49.5685, 0.2767, 0.2947.

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

49.5685, 0.2767, 0.2947

Protanopia

49.4471, 0.2895, 0.2943

Deuteranopia

49.4128, 0.2928, 0.2866



Tritanopia

49.7172, 0.2820, 0.3096

Trichromacy



Original Color

49.5685, 0.2767, 0.2947

Protanomaly

49.3200, 0.2851, 0.2940

Deuteranomaly

49.6528, 0.2867, 0.2896

Tritanomaly

49.5870, 0.2800, 0.3033

Monochromacy



Original Color

49.5685, 0.2767, 0.2947

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.1556, 0.2987, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5685, 0.2767, 0.2947 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(167, 189, 216)` looks like.

```
.text, #text, p{  
    color:rgb(167, 189, 216)  
}
```

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(167, 189, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 189, 216) }
```

Border

The CSS property to change the border of an element to Yxy 49.5685, 0.2767, 0.2947 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(167, 189, 216) }
```

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

```
.border{ border-color:rgb(167, 189, 216) }
```

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

Here you see how a box with a 4 pixel rgb(167, 189, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 189, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 189, 216);  
box-shadow:4px 4px 4px 4px rgb(167, 189,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5685, 0.2767, 0.2947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 189, 216) }
```

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

```
.background{ background-color: rgb(167,  
189, 216) }
```

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