

Converting Colors

$Yxy(49.3307, 0.2489, 0.2883)$

Have a look what the booklet for
Yxy(49.3307, 0.2489, 0.2883)
contains.

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Color

Yxy(49.3465, 0.2489, 0.2883)

Conversions

Conversions Part 1

Format	Color
Hex	83C3E2
RGB	131, 195, 226
RGB Percent	51%, 76%, 89%
CMY	0.4862, 0.2353, 0.1138
CMYK	0.42, 0.14, 0.00, 0.11
HSL	200°, 62%, 70%
HSV	200°, 42%, 89%
XYZ	42.6026, 49.3465, 79.2146
YIQ	179.3980, -48.0950, -3.9270

Conversions

Conversions Part 2

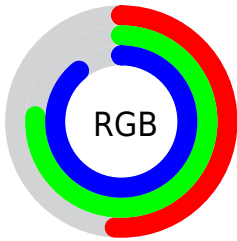
Format	Color
R _Y B	131, 169, 226
Decimal	8635362
CIE Lab	75.67, -12.46, -21.83
CIE LCh	76, 25.139, 240.281
Yxy	49.3465, 0.2489, 0.2883
Android (android.graphics.Color)	4286825442 (0xFF83C3E2)
YUV	179.3980, 22.9748, -42.4450
Hunter-Lab	70.2471, -14.6777, -17.6858

Details

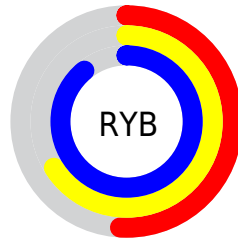
The Yxy color **49.3465, 0.2489, 0.2883** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.6461, 0.4052, 0.3656**, and the grayscale version is **45.2002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4056, 0.2733, 0.3257**, and **23.4859, 0.2319, 0.2754** is the 20% darker color. If you saturate the color by 10%, you get **44.5135, 0.2353, 0.2766**, and if you desaturate by 10%, it is **54.7399, 0.2635, 0.2993**.

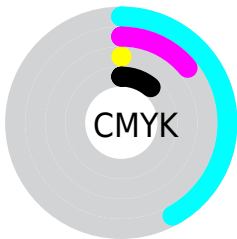
Distribution



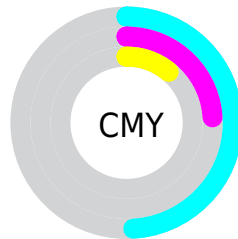
- Red (51%)
- Green (76%)
- Blue (89%)



- Red (51%)
- Yellow (66%)
- Blue (89%)



- Cyan (42%)
- Magenta (14%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3465, 0.2489, 0.2883 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 49.3465, 0.2489, 0.2883 by changing the saturation by 10% instead.

■ 49.3465, 0.2489,
0.2883

■ 49.3465, 0.2489,
0.2883

■ 384.1048, 0.2797,
0.3088

■ 34.8944, 0.2416,
0.2832

■ 89.2059, 0.2598,
0.2957

■ 23.5816, 0.2324,
0.2767

■ 115.3819, 0.2640,
0.2985

■ 15.0235, 0.2206,
0.2681

■ 146.2348, 0.2676,
0.3009

■ 8.8359, 0.2050,
0.2563

■ 182.1489, 0.2707,
0.3029

■ 4.6343, 0.1833,
0.2392

■ 223.5085, 0.2733,
0.3047

■ 2.0343, 0.1517,
0.2128

■ 270.6981, 0.2757,

■ 0.6273, 0.0780,

0.3062

0.1677

324.1021, 0.2778,
0.3076

0.0000, 0.0000,
0.0000

49.3465, 0.2489,
0.2883

49.3465, 0.2489,
0.2883

44.5135, 0.2353,
0.2766

54.7399, 0.2635,
0.2993

40.2070, 0.2231,
0.2645

60.7138, 0.2787,
0.3095

36.3977, 0.2126,
0.2520

67.2940, 0.2942,
0.3189

33.0498, 0.2041,
0.2394

74.5029, 0.3096,
0.3274

30.1209, 0.1976,
0.2270

82.3615, 0.3248,
0.3350

■ 28.0301, 0.1937,
0.2172

■ 88.6203, 0.3316,
0.3421

■ 93.0310, 0.3307,
0.3492

■ 97.6199, 0.3299,
0.3562

■ 98.2698, 0.3298,
0.3572

Harmonies

Analogous

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



49.3465, 0.2527, 0.3150



49.3465, 0.2489, 0.2883



49.3465, 0.2609, 0.2742

Triad

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



49.3465, 0.2489, 0.2883



49.3465, 0.3541, 0.3096



49.3465, 0.3366, 0.3905

Complementary

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



49.3465, 0.2489, 0.2883



43.6461, 0.4052, 0.3656

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.



49.3465, 0.3656, 0.3850



49.3465, 0.2489, 0.2883



49.3465, 0.3766, 0.3375

Square

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



49.3465, 0.2489, 0.2883



49.3465, 0.3206, 0.2870



49.3465, 0.3807, 0.3649



49.3465, 0.3022, 0.3770

Rectangle

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



49.3465, 0.2489, 0.2883



49.3465, 0.2767, 0.2727



49.3465, 0.3807, 0.3649



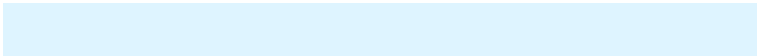
49.3465, 0.3473, 0.3907

Sweetspot

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



49.3484, 0.2489, 0.2883



87.5390, 0.2925, 0.3179



61.7849, 0.2901, 0.4169



18.3145, 0.2891, 0.3159



0.0000, 0.0000, 0.0000



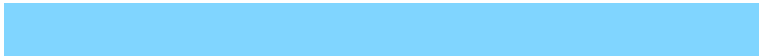
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.3484, 0.2489, 0.2883



59.5635, 0.2375, 0.2786



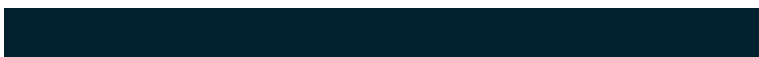
31.6334, 0.2383, 0.2233



14.7792, 0.2982, 0.3212



16.2194, 0.1942, 0.2191



1.2852, 0.1995, 0.2381

Inverse Universe

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



36.3451, 0.3481, 0.2565



41.3930, 0.3578, 0.2430



63.1951, 0.3827, 0.4159



13.8556, 0.3187, 0.3133



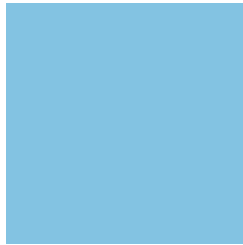
10.5454, 0.4242, 0.2110



0.7472, 0.4043, 0.2001

Previews

White Background



This preview shows how the Yxy color 49.3465, 0.2489, 0.2883 looks on a white background.

Color Contrast Check

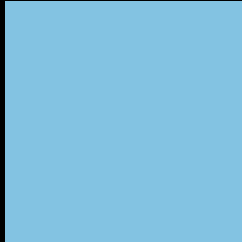
Large Text (above 18pt) WCAG AA × Fail

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 49.3465, 0.2489, 0.2883 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 49.3465, 0.2489, 0.2883

Background



This preview shows how black text looks on a background with the Yxy color 49.3465, 0.2489, 0.2883.



This preview shows how white text looks on a background with the Yxy color 49.3465, 0.2489, 0.2883.

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

49.3465, 0.2489, 0.2883

Protanopia

48.9792, 0.2830, 0.2857

Deuteranopia

49.0581, 0.2784, 0.2723



Tritanopia

49.2486, 0.2541, 0.3073

Trichromacy



Original Color

49.3465, 0.2489, 0.2883

Protanomaly

48.9217, 0.2692, 0.2859

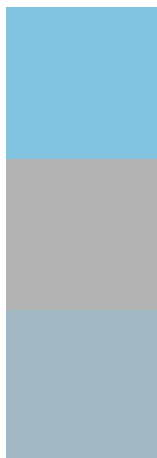
Deuteranomaly

48.9286, 0.2661, 0.2777

Tritanomaly

49.1310, 0.2517, 0.2995

Monochromacy



Original Color

49.3465, 0.2489, 0.2883

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.3648, 0.2861, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3465, 0.2489, 0.2883 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(131, 195, 226)` looks like.

```
.text, #text, p{  
    color:rgb(131, 195, 226)  
}
```

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(131, 195, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 195, 226) }
```

Border

The CSS property to change the border of an element to Yxy 49.3465, 0.2489, 0.2883 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(131, 195, 226) }
```

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

```
.border{ border-color:rgb(131, 195, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 195, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 195, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 195, 226);  
box-shadow:4px 4px 4px 4px rgb(131, 195,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3465, 0.2489, 0.2883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 195, 226) }
```

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

```
.background{ background-color: rgb(131,  
195, 226) }
```

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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