

# Converting Colors

$Yxy(44.0844, 0.2400, 0.2849)$

Have a look what the booklet for  
Yxy(44.0844, 0.2400, 0.2849)  
contains.

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# Color

**Yxy(44.0346, 0.2399, 0.2846)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FBBDB
RGB	111, 187, 219
RGB Percent	44%, 73%, 86%
CMY	0.5645, 0.2667, 0.1411
CMYK	0.49, 0.15, 0.00, 0.14
HSL	198°, 60%, 65%
HSV	198°, 49%, 86%
XYZ	37.1184, 44.0346, 73.5715
YIQ	167.9240, -55.5680, -6.1600

# Conversions

## Conversions Part 2

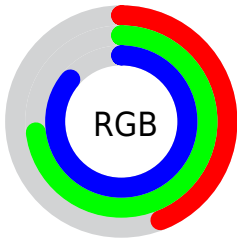
Format	Color
R <sub>YB</sub>	111, 156, 219
Decimal	7322587
CIE Lab	72.25, -14.92, -23.34
CIE LCh	72, 27.706, 237.409
Yxy	44.0346, 0.2399, 0.2846
Android (android.graphics.Color)	4285512667 (0xFF6FBBDB)
YUV	167.9240, 25.1805, -49.9223
Hunter-Lab	66.3586, -16.2815, -19.2836

# Details

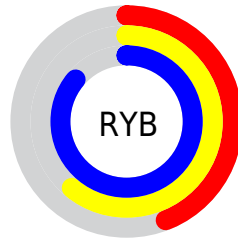
The Yxy color **44.0346, 0.2399, 0.2846** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **35.8802, 0.4297, 0.3677**, and the grayscale version is **39.0204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6460, 0.2625, 0.3156**, and **20.4343, 0.2206, 0.2717** is the 20% darker color. If you saturate the color by 10%, you get **40.0903, 0.2277, 0.2738**, and if you desaturate by 10%, it is **48.4552, 0.2534, 0.2950**.

# Distribution



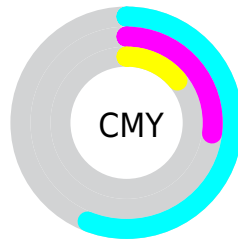
- Red (44%)
- Green (73%)
- Blue (86%)



- Red (44%)
- Yellow (61%)
- Blue (86%)



- Cyan (49%)
- Magenta (15%)
- Yellow (0%)
- Black (14%)



- Cyan (56%)
- Magenta (27%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0346, 0.2399, 0.2846 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 44.0346, 0.2399, 0.2846 by changing the saturation by 10% instead.





 44.0346, 0.2399,  
0.2846


 44.0346, 0.2399,  
0.2846

362.8495, 0.2755,  
0.3075


 30.6977, 0.2313,  
0.2788


 81.2698, 0.2526,  
0.2930

 20.3688, 0.2205,  
0.2712


 105.9369, 0.2575,  
0.2961

 12.6634, 0.2065,  
0.2612


 135.1495, 0.2616,  
0.2988

 7.1972, 0.1879,  
0.2471

169.2921, 0.2652,  
0.3010

 3.5857, 0.1619,  
0.2264

208.7490, 0.2683,  
0.3030

 1.4446, 0.1243,  
0.1936

253.9046, 0.2710,

 0.2493, 0.0000,

0.3047

0.1001

305.1433, 0.2734,  
0.3061

0.0000, 0.0000,  
0.0000

44.0346, 0.2399,  
0.2846

44.0346, 0.2399,  
0.2846

40.0903, 0.2277,  
0.2738

48.4552, 0.2534,  
0.2950

36.5898, 0.2171,  
0.2626

53.3721, 0.2679,  
0.3047

33.5036, 0.2085,  
0.2513

58.8097, 0.2830,  
0.3137

30.7952, 0.2019,  
0.2400

64.7893, 0.2984,  
0.3220

28.4056, 0.1970,  
0.2289

71.3307, 0.3138,  
0.3295

■ 28.2437, 0.1967,  
0.2282

■ 78.4526, 0.3289,  
0.3362

■ 84.3526, 0.3370,  
0.3425

■ 88.0878, 0.3361,  
0.3488

■ 91.9596, 0.3352,  
0.3551

# Harmonies

## Analogous

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



44.0346, 0.2458, 0.3161



44.0346, 0.2399, 0.2846



44.0346, 0.2517, 0.2675

# Triad

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



44.0346, 0.2399, 0.2846



44.0346, 0.3567, 0.3040



44.0346, 0.3433, 0.4001

# Complementary

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



44.0346, 0.2399, 0.2846



35.8802, 0.4297, 0.3677

# 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.



44.0346, 0.3755, 0.3912



44.0346, 0.2399, 0.2846



44.0346, 0.3843, 0.3351

# Square

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



44.0346, 0.2399, 0.2846



44.0346, 0.3176, 0.2795



44.0346, 0.3911, 0.3666



44.0346, 0.3041, 0.3869



# Rectangle

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



44.0346, 0.2399, 0.2846



44.0346, 0.2686, 0.2649



44.0346, 0.3911, 0.3666



44.0346, 0.3553, 0.3994

# Sweetspot

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



44.0363, 0.2399, 0.2846



86.4269, 0.2894, 0.3173



55.9971, 0.2892, 0.4407



18.1216, 0.2862, 0.3155



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

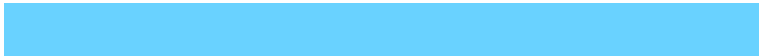


# Same Dimension

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



44.0363, 0.2399, 0.2846



56.4740, 0.2275, 0.2735



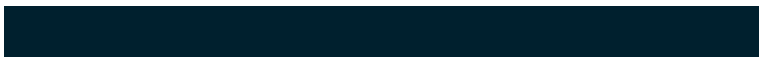
25.6726, 0.2251, 0.2068



14.1433, 0.2982, 0.3219



16.9434, 0.1972, 0.2298



1.2449, 0.2022, 0.2479



# Inverse Universe

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



30.0313, 0.3527, 0.2414



35.9435, 0.3644, 0.2261



55.5224, 0.3971, 0.4261



13.2056, 0.3183, 0.3127



10.3342, 0.4128, 0.2048

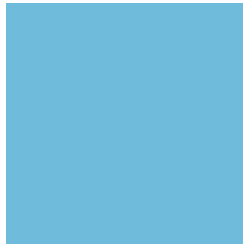


0.6844, 0.3943, 0.1946



# Previews

## White Background



This preview shows how the Yxy color 44.0346, 0.2399, 0.2846 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

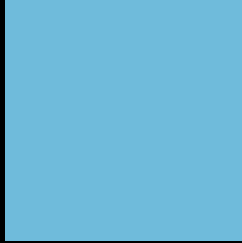
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.0346, 0.2399, 0.2846 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

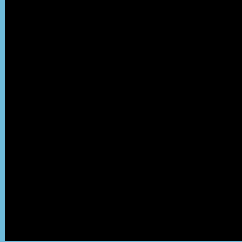
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.0346, 0.2399, 0.2846**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.0346, 0.2399, 0.2846.

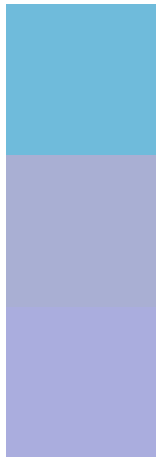


This preview shows how white text looks on a background with the Yxy color 44.0346, 0.2399, 0.2846.

# 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

44.0346, 0.2399, 0.2846

### Protanopia

43.7981, 0.2803, 0.2825

### Deuteranopia

43.7071, 0.2733, 0.2672



## Tritanopia

43.8671, 0.2452, 0.3059

# Trichromacy



**Original Color**

44.0346, 0.2399, 0.2846

**Protanomaly**

43.3911, 0.2633, 0.2823

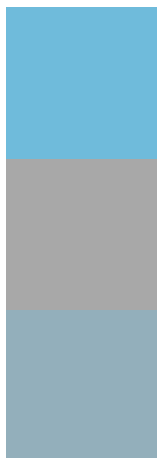
**Deuteranomaly**

43.4508, 0.2595, 0.2725

**Tritanomaly**

43.8077, 0.2433, 0.2977

# Monochromacy



**Original Color**

44.0346, 0.2399, 0.2846

**Achromatopsia**

39.1572, 0.3127, 0.3290

**Achromatomaly**

40.4508, 0.2801, 0.3119

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.0346, 0.2399, 0.2846 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(111, 187, 219)` looks like.

```
.text, #text, p{  
    color:rgb(111, 187, 219)  
}
```

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(111, 187, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 187, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 44.0346, 0.2399, 0.2846 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(111, 187, 219) }
```

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

```
.border{ border-color:rgb(111, 187, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 187, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 187, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 187, 219);  
box-shadow:4px 4px 4px 4px rgb(111, 187,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.0346, 0.2399, 0.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 187, 219) }
```

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

```
.background{ background-color: rgb(111,  
187, 219) }
```

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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