

# Converting Colors

$Y_{xy}(51.5038, 0.2372, 0.2882)$

Have a look what the booklet for  
Yxy(51.5038, 0.2372, 0.2882)  
contains.

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# Color

**Yxy(51.5038, 0.2372, 0.2882)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FCAE9
RGB	111, 202, 233
RGB Percent	44%, 79%, 91%
CMY	0.5646, 0.2079, 0.0862
CMYK	0.52, 0.13, 0.00, 0.09
HSL	195°, 74%, 67%
HSV	195°, 52%, 91%
XYZ	42.3897, 51.5038, 84.8151
YIQ	178.3250, -64.1870, -9.6510

# Conversions

## Conversions Part 2

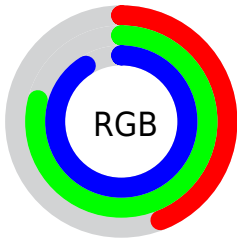
Format	Color
R <sub>Y</sub> B	111, 163, 233
Decimal	7326441
CIE Lab	76.98, -18.78, -23.71
CIE LCh	77, 30.241, 231.617
Yxy	51.5038, 0.2372, 0.2882
Android (android.graphics.Color)	4285516521 (0xFF6FCAE9)
YUV	178.3250, 26.9548, -59.0440
Hunter-Lab	71.7661, -20.1573, -19.8341

# Details

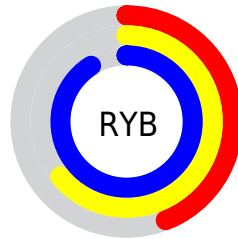
The Yxy color **51.5038, 0.2372, 0.2882** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **37.8418, 0.4442, 0.3641**, and the grayscale version is **44.5878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **24.9585, 0.2188, 0.2772** is the 20% darker color. If you saturate the color by 10%, you get **47.4573, 0.2261, 0.2789**, and if you desaturate by 10%, it is **56.0552, 0.2499, 0.2972**.

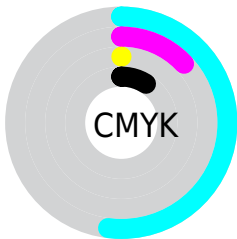
# Distribution



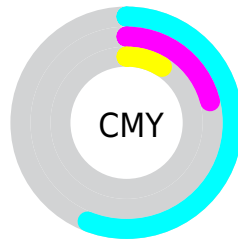
- Red (44%)
- Green (79%)
- Blue (91%)



- Red (44%)
- Yellow (64%)
- Blue (91%)



- Cyan (52%)
- Magenta (13%)
- Yellow (0%)
- Black (9%)



- Cyan (56%)
- Magenta (21%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5038, 0.2372, 0.2882 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 51.5038, 0.2372, 0.2882 by changing the saturation by 10% instead.



■ 51.5038, 0.2372,  
0.2882

■ 51.5038, 0.2372,  
0.2882

■ 392.5180, 0.2731,  
0.3089

■ 36.6097, 0.2288,  
0.2830

■ 92.3990, 0.2498,  
0.2957

■ 24.9055, 0.2184,  
0.2764

■ 119.1690, 0.2547,  
0.2986

■ 16.0066, 0.2052,  
0.2677

■ 150.6663, 0.2588,  
0.3010

■ 9.5288, 0.1879,  
0.2557

■ 187.2755, 0.2625,  
0.3030

■ 5.0877, 0.1645,  
0.2385

■ 229.3808, 0.2656,  
0.3048

■ 2.2988, 0.1317,  
0.2119

■ 277.3668, 0.2684,

■ 0.7731, 0.0613,

0.3063

0.1715

331.6177, 0.2709,  
0.3077

0.0000, 0.0000,  
0.0000

51.5038, 0.2372,  
0.2882

51.5038, 0.2372,  
0.2882

47.4573, 0.2261,  
0.2789

56.0552, 0.2499,  
0.2972

43.8775, 0.2167,  
0.2694

61.1349, 0.2637,  
0.3057

40.7289, 0.2093,  
0.2598


66.7713, 0.2784,  
0.3136


37.9669, 0.2039,  
0.2503


72.9891, 0.2937,  
0.3209

36.0613, 0.2009,  
0.2431

79.8111, 0.3091,  
0.3275

 87.2588, 0.3245,  
0.3335

 91.5370, 0.3267,  
0.3393

 95.1516, 0.3261,  
0.3450

 98.6646, 0.3256,  
0.3503

# Harmonies

## Analogous

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



51.5038, 0.2468, 0.3230



51.5038, 0.2372, 0.2882



51.5038, 0.2459, 0.2675

# Triad

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



51.5038, 0.2372, 0.2882



51.5038, 0.3510, 0.2976



51.5038, 0.3516, 0.4026

# Complementary

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



51.5038, 0.2372, 0.2882



37.8418, 0.4442, 0.3641

# 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.



51.5038, 0.3825, 0.3894



51.5038, 0.2372, 0.2882



51.5038, 0.3829, 0.3287

# Square

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



51.5038, 0.2372, 0.2882



51.5038, 0.3096, 0.2742



51.5038, 0.3945, 0.3618



51.5038, 0.3115, 0.3936



# Rectangle

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



51.5038, 0.2372, 0.2882



51.5038, 0.2613, 0.2628



51.5038, 0.3945, 0.3618



51.5038, 0.3635, 0.4004

# Sweetspot

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



51.5057, 0.2372, 0.2882



86.6227, 0.2879, 0.3182



63.6125, 0.2903, 0.4553



18.2023, 0.2848, 0.3167



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.



51.5057, 0.2372, 0.2882



57.7810, 0.2251, 0.2780



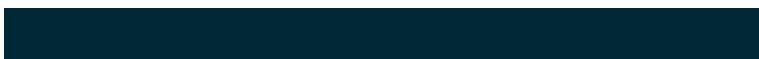
28.4742, 0.2200, 0.2029



16.4354, 0.2981, 0.3229



20.6658, 0.2013, 0.2445



1.7749, 0.2049, 0.2576



# Inverse Universe

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



32.9689, 0.3505, 0.2313



34.1899, 0.3614, 0.2152



60.9653, 0.4052, 0.4279



15.2445, 0.3177, 0.3116



11.5790, 0.3977, 0.1965

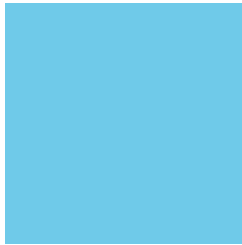


0.9246, 0.3847, 0.1893



# Previews

## White Background



This preview shows how the Yxy color 51.5038, 0.2372, 0.2882 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

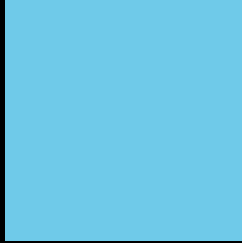
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.5038, 0.2372, 0.2882 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

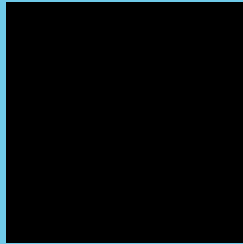
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.5038, 0.2372, 0.2882**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.5038, 0.2372, 0.2882.



This preview shows how white text looks on a background with the Yxy color 51.5038, 0.2372, 0.2882.

# 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

51.5038, 0.2372, 0.2882

### Protanopia

50.8134, 0.2828, 0.2852

### Deuteranopia

50.8796, 0.2742, 0.2675



## Tritanopia

51.5320, 0.2417, 0.3059

# Trichromacy



**Original Color**

51.5038, 0.2372, 0.2882

**Protanomaly**

50.3132, 0.2628, 0.2848

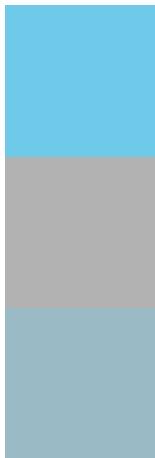
**Deuteranomaly**

50.4858, 0.2581, 0.2733

**Tritanomaly**

51.3363, 0.2399, 0.2994

# Monochromacy



**Original Color**

51.5038, 0.2372, 0.2882

**Achromatopsia**

44.5201, 0.3127, 0.3290

**Achromatomaly**

46.4879, 0.2790, 0.3141

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5038, 0.2372, 0.2882 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, 202, 233)` looks like.

```
.text, #text, p{  
    color:rgb(111, 202, 233)  
}
```

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, 202, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 202, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5038, 0.2372, 0.2882 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, 202, 233) }
```

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

```
.border{ border-color:rgb(111, 202, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 202, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 202, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 202, 233);  
box-shadow:4px 4px 4px 4px rgb(111, 202,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5038, 0.2372, 0.2882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 202, 233) }
```

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

```
.background{ background-color: rgb(111,  
202, 233) }
```

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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