

# Converting Colors

$Yxy(50.8392, 0.2294, 0.2805)$

Have a look what the booklet for  
Yxy(50.8392, 0.2294, 0.2805)  
contains.

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# Color

**Yxy(51.0108, 0.2296, 0.2816)**

# Conversions

## Conversions Part 1

Format	Color
Hex	62CAEE
RGB	98, 202, 238
RGB Percent	38%, 79%, 93%
CMY	0.6156, 0.2078, 0.0667
CMYK	0.59, 0.15, 0.00, 0.07
HSL	195°, 80%, 66%
HSV	195°, 59%, 93%
XYZ	41.5912, 51.0108, 88.5443
YIQ	175.0080, -73.5400, -10.8520

# Conversions

## Conversions Part 2

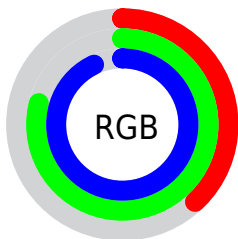
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	98, 158, 238
Decimal	6474478
CIE <sub>Lab</sub>	76.69, -19.91, -26.88
CIE <sub>LCh</sub>	77, 33.447, 233.472
Yxy	51.0108, 0.2296, 0.2816
Android (android.graphics.Color)	4284664558 (0xFF62CAEE)
YUV	175.0080, 31.0551, -67.5360
Hunter-Lab	71.4218, -21.0421, -23.5087

# Details

The Yxy color **51.0108, 0.2296, 0.2816** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **36.1152, 0.4683, 0.3677**, and the grayscale version is **42.7421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **24.6588, 0.2093, 0.2683** is the 20% darker color. If you saturate the color by 10%, you get **47.0637, 0.2195, 0.2720**, and if you desaturate by 10%, it is **55.4690, 0.2414, 0.2909**.

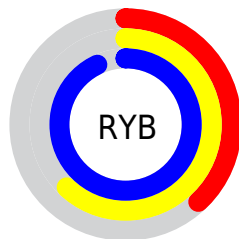
# Distribution



Red (38%)

Green (79%)

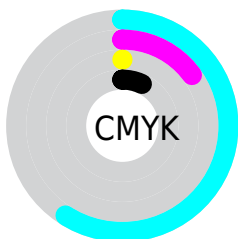
Blue (93%)



Red (38%)

Yellow (62%)

Blue (93%)

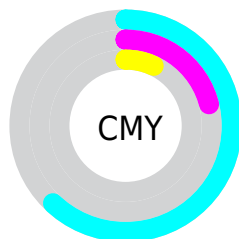


Cyan (59%)

Magenta (15%)

Yellow (0%)

Black (7%)



Cyan (62%)

Magenta (21%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0108, 0.2296, 0.2816 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 51.0108, 0.2296, 0.2816 by changing the saturation by 10% instead.



51.0108, 0.2296,  
0.2816

51.0108, 0.2296,  
0.2816

390.6057, 0.2690,  
0.3056

36.2172, 0.2205,  
0.2756

91.6707, 0.2434,  
0.2903

24.6020, 0.2092,  
0.2680

118.3059, 0.2487,  
0.2936

15.7808, 0.1949,  
0.2580

149.6570, 0.2533,  
0.2964

9.3692, 0.1764,  
0.2444

186.1084, 0.2573,  
0.2988

4.9827, 0.1517,  
0.2250

228.0446, 0.2607,  
0.3008

2.2371, 0.1178,  
0.1957

275.8500, 0.2638,

0.7401, 0.0447,

0.3026

0.1520

329.9089, 0.2665,  
0.3042

0.0000, 0.0000,  
0.0000

51.0108, 0.2296,  
0.2816

51.0108, 0.2296,  
0.2816

47.0637, 0.2195,  
0.2720

55.4690, 0.2414,  
0.2909

43.5849, 0.2114,  
0.2623

60.4658, 0.2545,  
0.2999

40.5321, 0.2053,  
0.2526


66.0325, 0.2688,  
0.3083

37.8406, 0.2010,  
0.2431


72.1965, 0.2837,  
0.3161


37.5360, 0.2005,  
0.2419

78.9830, 0.2991,  
0.3232

 86.4157, 0.3145,  
0.3297

 92.6463, 0.3235,  
0.3357

 96.4084, 0.3230,  
0.3416

 98.9532, 0.3226,  
0.3454

# Harmonies

## Analogous

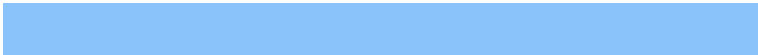
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.0108, 0.2388, 0.3192



51.0108, 0.2296, 0.2816



51.0108, 0.2403, 0.2602

# Triad

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



51.0108, 0.2296, 0.2816



51.0108, 0.3578, 0.2962



51.0108, 0.3529, 0.4110

# Complementary

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



51.0108, 0.2296, 0.2816



36.1152, 0.4683, 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.



51.0108, 0.3882, 0.3970



51.0108, 0.2296, 0.2816



51.0108, 0.3923, 0.3305

# Square

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



51.0108, 0.2296, 0.2816



51.0108, 0.3120, 0.2700



51.0108, 0.4034, 0.3668



51.0108, 0.3083, 0.3997



# Rectangle

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



51.0108, 0.2296, 0.2816



51.0108, 0.2579, 0.2561



51.0108, 0.4034, 0.3668



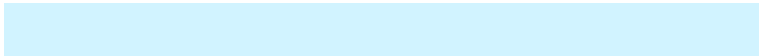
51.0108, 0.3663, 0.4088

# Sweetspot

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



51.0127, 0.2296, 0.2816



85.0081, 0.2849, 0.3166



65.4423, 0.2887, 0.4742



17.7253, 0.2804, 0.3144



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.



51.0127, 0.2296, 0.2816



53.9993, 0.2174, 0.2696



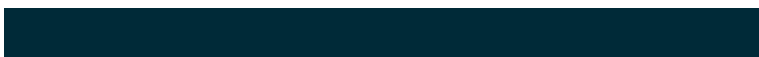
25.5497, 0.2081, 0.1842



17.2006, 0.2981, 0.3228



21.1600, 0.2010, 0.2434



1.9193, 0.2045, 0.2560



# Inverse Universe

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



31.1806, 0.3574, 0.2216



30.7265, 0.3704, 0.2064



61.7749, 0.4172, 0.4382



15.9579, 0.3177, 0.3116



11.9295, 0.3988, 0.1971

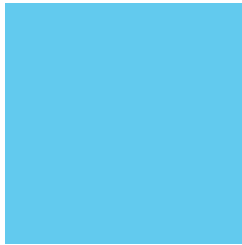


1.0085, 0.3863, 0.1901



# Previews

## White Background



This preview shows how the Yxy color 51.0108, 0.2296, 0.2816 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

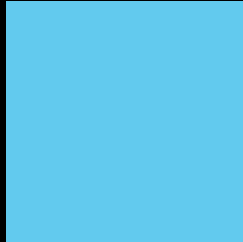
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.0108, 0.2296, 0.2816 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 51.0108, 0.2296, 0.2816**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.0108, 0.2296, 0.2816.

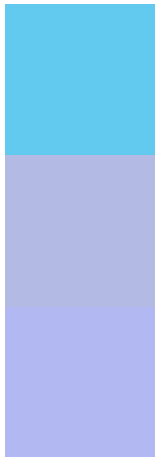


This preview shows how white text looks on a background with the Yxy color 51.0108, 0.2296, 0.2816.

# 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

51.0108, 0.2296, 0.2816

### Protanopia

50.2476, 0.2779, 0.2792

### Deuteranopia

50.5737, 0.2676, 0.2616



## Tritanopia

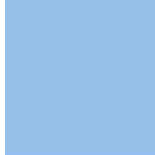
51.1072, 0.2354, 0.3069

# Trichromacy



## Original Color

51.0108, 0.2296, 0.2816



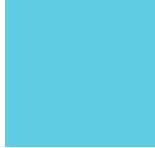
## Protanomaly

49.9528, 0.2567, 0.2796



## Deuteranomaly

50.0020, 0.2504, 0.2670



## Tritanomaly

51.1115, 0.2335, 0.2978

# Monochromacy



## Original Color

51.0108, 0.2296, 0.2816



## Achromatopsia

42.8690, 0.3127, 0.3290



## Achromatomaly

44.9782, 0.2737, 0.3111

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.0108, 0.2296, 0.2816 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(98, 202, 238)` looks like.

```
.text, #text, p{  
    color:rgb(98, 202, 238)  
}
```

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(98, 202, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 202, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 51.0108, 0.2296, 0.2816 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(98, 202, 238) }
```

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

```
.border{ border-color:rgb(98, 202, 238) }
```

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

Here you see how a box with a 4 pixel rgb(98, 202, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 202, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 202, 238);  
box-shadow:4px 4px 4px 4px rgb(98, 202,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.0108, 0.2296, 0.2816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 202, 238) }
```

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

```
.background{ background-color: rgb(98, 202,  
238) }
```

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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