

# Converting Colors

$Y_{xy}(60.0454, 0.2213, 0.2855)$

Have a look what the booklet for  
Yxy(60.0454, 0.2213, 0.2855)  
contains.

<b>Yxy(59.8622, 0.2212, 0.2850)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(59.8622, 0.2212, 0.2850)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4ADCFF
RGB	74, 220, 255
RGB Percent	29%, 86%, 100%
CMY	0.7102, 0.1372, 0.0000
CMYK	0.71, 0.14, 0.00, 0.00
HSL	192°, 100%, 64%
HSV	192°, 71%, 100%
XYZ	46.4615, 59.8622, 103.7191
YIQ	180.3360, -98.2510, -20.0670

# Conversions

## Conversions Part 2

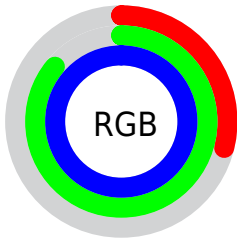
Format	Color
R <sub>Y</sub> B	74, 155, 255
Decimal	4906239
CIE Lab	81.76, -27.52, -28.23
CIE LCh	82, 39.425, 225.728
Yxy	59.8622, 0.2212, 0.2850
Android (android.graphics.Color)	4283096319 (0xFF4ADCFF)
YUV	180.3360, 36.8094, -93.2567
Hunter-Lab	77.3707, -28.2085, -25.3217

# Details

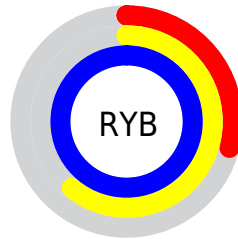
The Yxy color **59.8622, 0.2212, 0.2850** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **32.6659, 0.5277, 0.3596**, and the grayscale version is **45.6554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6693, 0.2536, 0.3288**, and **30.9875, 0.2097, 0.2747** is the 20% darker color. If you saturate the color by 10%, you get **56.5019, 0.2145, 0.2779**, and if you desaturate by 10%, it is **63.7117, 0.2299, 0.2921**.

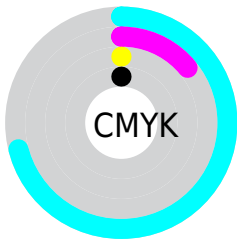
# Distribution



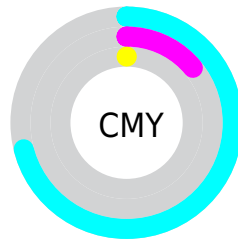
- Red (29%)
- Green (86%)
- Blue (100%)



- Red (29%)
- Yellow (61%)
- Blue (100%)



- Cyan (71%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (71%)
- Magenta (14%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.8622, 0.2212, 0.2850 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 59.8622, 0.2212, 0.2850 by changing the saturation by 10% instead.




 59.8622, 0.2212,  
0.2850


 59.8622, 0.2212,  
0.2850


424.0897, 0.2631,  
0.3071

 43.3076, 0.2119,  
0.2796

 104.6297, 0.2356,  
0.2930

 30.1265, 0.2005,  
0.2727


 133.6115, 0.2412,  
0.2960

 19.9346, 0.1863,  
0.2638


 167.5043, 0.2461,  
0.2986

 12.3475, 0.1684,  
0.2518

 206.6927, 0.2504,  
0.3008

 6.9808, 0.1453,  
0.2351

251.5611, 0.2541,  
0.3027

 3.4501, 0.1147,  
0.2104

302.4937, 0.2575,

 1.3710, 0.0713,

0.3043

0.1728

359.8751, 0.2605,  
0.3058

0.1952, 0.0000,  
0.0657

0.0000, 0.0000,  
0.0000

59.8622, 0.2212,  
0.2850

59.8622, 0.2212,  
0.2850

56.5019, 0.2145,  
0.2779

63.7117, 0.2299,  
0.2921

53.5720, 0.2097,  
0.2708

68.0902, 0.2404,  
0.2990

51.2347, 0.2068,  
0.2645

73.0386, 0.2526,  
0.3057

78.5919, 0.2661,  
0.3121

■ 84.7820, 0.2805,  
0.3180

■ 91.6386, 0.2956,  
0.3235

■ 99.1890, 0.3111,  
0.3285

■ 100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



59.8622, 0.2367, 0.3305



59.8622, 0.2212, 0.2850



59.8622, 0.2275, 0.2567

# Triad

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



59.8622, 0.2212, 0.2850



59.8622, 0.3502, 0.2840



59.8622, 0.3687, 0.4190

# Complementary

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



59.8622, 0.2212, 0.2850



32.6659, 0.5277, 0.3596

# 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.



59.8622, 0.4037, 0.3966



59.8622, 0.2212, 0.2850



59.8622, 0.3939, 0.3199

# Square

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



59.8622, 0.2212, 0.2850



59.8622, 0.2984, 0.2585



59.8622, 0.4137, 0.3600

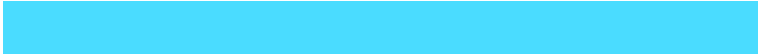


59.8622, 0.3203, 0.4150

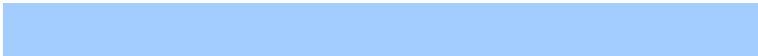


# Rectangle

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



59.8622, 0.2212, 0.2850



59.8622, 0.2433, 0.2489



59.8622, 0.4137, 0.3600



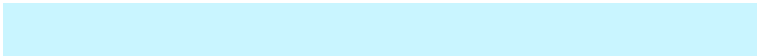
59.8622, 0.3825, 0.4139

# Sweetspot

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



59.8639, 0.2212, 0.2850



84.7957, 0.2806, 0.3180



74.0354, 0.2918, 0.5239



17.7698, 0.2765, 0.3164



0.0000, 0.0000, 0.0000

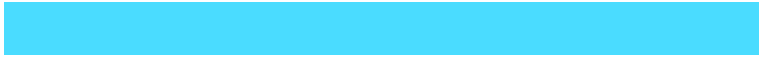


21.4041, 0.3127, 0.3290

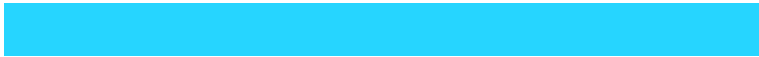


# Same Dimension

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



59.8639, 0.2212, 0.2850



55.2877, 0.2124, 0.2751



24.9705, 0.1910, 0.1644



19.8498, 0.2980, 0.3243



26.9832, 0.2071, 0.2657



2.7730, 0.2094, 0.2737



# Inverse Universe

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



31.3116, 0.3567, 0.1973



27.4727, 0.3673, 0.1870



61.9816, 0.4480, 0.4437



18.2366, 0.3168, 0.3100



13.4519, 0.3769, 0.1850

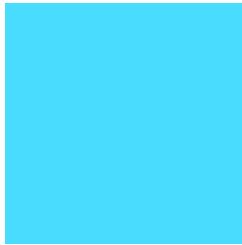


1.3245, 0.3693, 0.1808



# Previews

## White Background



This preview shows how the Yxy color 59.8622, 0.2212, 0.2850 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

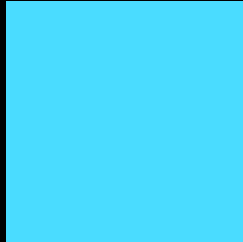
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.8622, 0.2212, 0.2850 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 59.8622, 0.2212, 0.2850**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.8622, 0.2212, 0.2850.

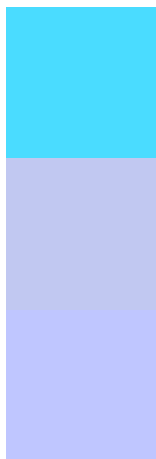


This preview shows how white text looks on a background with the Yxy color 59.8622, 0.2212, 0.2850.

# 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

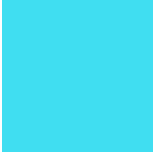
59.8622, 0.2212, 0.2850

### Protanopia

58.9969, 0.2800, 0.2822

### Deuteranopia

58.6845, 0.2700, 0.2653



## **Tritanopia**

59.6834, 0.2248, 0.3042

# Trichromacy



## Original Color

59.8622, 0.2212, 0.2850



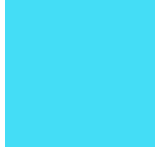
## Protanomaly

57.7635, 0.2515, 0.2819



## Deuteranomaly

57.6585, 0.2457, 0.2707



## Tritanomaly

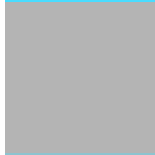
59.5957, 0.2235, 0.2968

# Monochromacy



## Original Color

59.8622, 0.2212, 0.2850



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

49.1979, 0.2655, 0.3128

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.8622, 0.2212, 0.2850 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(74, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(74, 220, 255)  
}
```

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(74, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 220, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 59.8622, 0.2212, 0.2850 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(74, 220, 255) }
```

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

```
.border{ border-color:rgb(74, 220, 255) }
```

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

Here you see how a box with a 4 pixel rgb(74, 220, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 220,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.8622, 0.2212, 0.2850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 220, 255) }
```

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

```
.background{ background-color: rgb(74, 220,  
255) }
```

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