

# Converting Colors

$Yxy(58.3332, 0.2191, 0.2815)$

Have a look what the booklet for  
Yxy(58.3332, 0.2191, 0.2815)  
contains.

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# Color

**Yxy(58.0747, 0.2188, 0.2809)**

# Conversions

## Conversions Part 1

Format	Color
Hex	44D9FF
RGB	68, 217, 255
RGB Percent	27%, 85%, 100%
CMY	0.7341, 0.1489, 0.0000
CMYK	0.73, 0.15, 0.00, 0.00
HSL	192°, 100%, 63%
HSV	192°, 73%, 100%
XYZ	45.2358, 58.0747, 103.4346
YIQ	176.7810, -101.0020, -19.7700

# Conversions

## Conversions Part 2

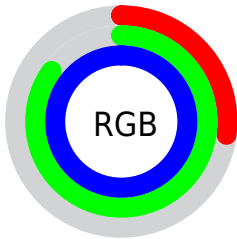
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	68, 151, 255
Decimal	4512255
CIE <sub>Lab</sub>	80.78, -26.78, -29.74
CIE <sub>LCh</sub>	81, 40.023, 228.003
Yxy	58.0747, 0.2188, 0.2809
Android (android.graphics.Color)	4282702335 (0xFF44D9FF)
YUV	176.7810, 38.5620, -95.4009
Hunter-Lab	76.2068, -27.4054, -27.1289

# Details

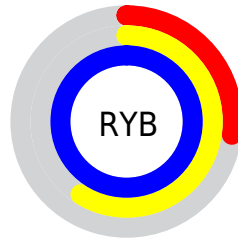
The Yxy color **58.0747, 0.2188, 0.2809** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.9375, 0.5360, 0.3611**, and the grayscale version is **43.6514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3154, 0.2520, 0.3288**, and **29.9179, 0.2082, 0.2695** is the 20% darker color. If you saturate the color by 10%, you get **54.7276, 0.2124, 0.2734**, and if you desaturate by 10%, it is **61.9071, 0.2272, 0.2884**.

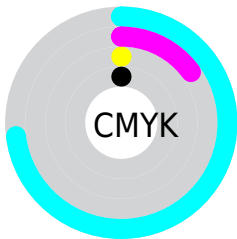
# Distribution



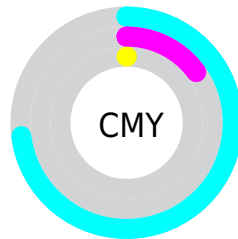
- Red (27%)
- Green (85%)
- Blue (100%)



- Red (27%)
- Yellow (59%)
- Blue (100%)



- Cyan (73%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)




- Cyan (73%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.0747, 0.2188, 0.2809 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 58.0747, 0.2188, 0.2809 by changing the saturation by 10% instead.





 58.0747, 0.2188,  
0.2809


 58.0747, 0.2188,  
0.2809

417.4642, 0.2620,  
0.3051


 41.8687, 0.2092,  
0.2750

 102.0316, 0.2336,  
0.2896


 28.9985, 0.1974,  
0.2675


 130.5514, 0.2394,  
0.2929

 19.0797, 0.1828,  
0.2578


 163.9445, 0.2445,  
0.2957

 11.7279, 0.1644,  
0.2448

 202.5953, 0.2489,  
0.2981

 6.5587, 0.1405,  
0.2266

246.8883, 0.2527,  
0.3002

 3.1877, 0.1092,  
0.2001

297.2079, 0.2562,

 1.2305, 0.0627,

0.3020

0.1605

353.9384, 0.2592,  
0.3036

0.0864, 0.0000,  
0.0305

0.0000, 0.0000,  
0.0000

58.0747, 0.2188,  
0.2809

58.0747, 0.2188,  
0.2809

54.7276, 0.2124,  
0.2734

61.9071, 0.2272,  
0.2884

51.8034, 0.2080,  
0.2660

66.2659, 0.2374,  
0.2958

50.0559, 0.2059,  
0.2611

71.1934, 0.2493,  
0.3029

76.7255, 0.2626,  
0.3096

■ 82.8952, 0.2769,  
0.3160

■ 89.7324, 0.2920,  
0.3219

■ 97.2652, 0.3074,  
0.3273

■ 100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

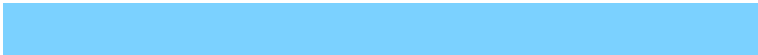
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.0747, 0.2329, 0.3265



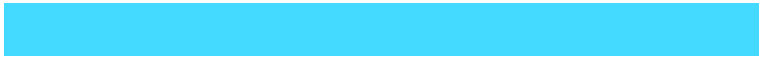
58.0747, 0.2188, 0.2809



58.0747, 0.2269, 0.2536

# Triad

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



58.0747, 0.2188, 0.2809



58.0747, 0.3550, 0.2854



58.0747, 0.3665, 0.4221

# Complementary

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



58.0747, 0.2188, 0.2809



31.9375, 0.5360, 0.3611

# 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.



58.0747, 0.4039, 0.4005



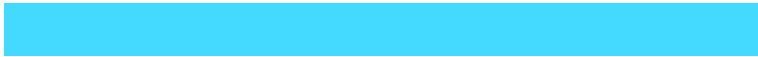
58.0747, 0.2188, 0.2809



58.0747, 0.3985, 0.3227

# Square

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



58.0747, 0.2188, 0.2809



58.0747, 0.3019, 0.2584



58.0747, 0.4166, 0.3637



58.0747, 0.3165, 0.4157



# Rectangle

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



58.0747, 0.2188, 0.2809



58.0747, 0.2441, 0.2468



58.0747, 0.4166, 0.3637



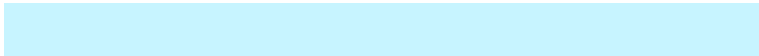
58.0747, 0.3811, 0.4174

# Sweetspot

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



58.0766, 0.2188, 0.2809



83.8200, 0.2790, 0.3169



73.7665, 0.2907, 0.5270



17.5635, 0.2750, 0.3152



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

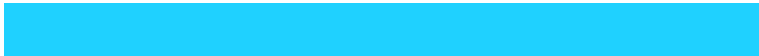


# Same Dimension

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



58.0766, 0.2188, 0.2809



53.3374, 0.2101, 0.2700



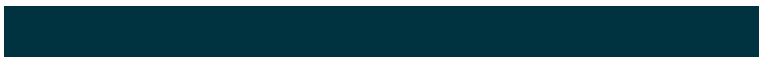
22.8465, 0.1866, 0.1543



19.8185, 0.2980, 0.3241



26.3744, 0.2062, 0.2623



2.7189, 0.2086, 0.2708



# Inverse Universe

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



30.3805, 0.3606, 0.1963



26.8460, 0.3723, 0.1876



62.4478, 0.4499, 0.4483



18.2335, 0.3169, 0.3103



13.3905, 0.3802, 0.1868

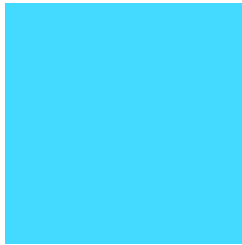


1.3190, 0.3721, 0.1823



# Previews

## White Background



This preview shows how the Yxy color 58.0747, 0.2188, 0.2809 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

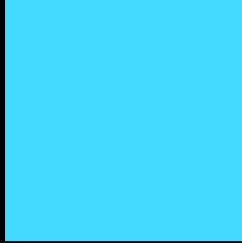
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.0747, 0.2188, 0.2809 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

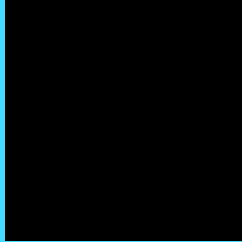
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.0747, 0.2188, 0.2809**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.0747, 0.2188, 0.2809.



This preview shows how white text looks on a background with the Yxy color 58.0747, 0.2188, 0.2809.

# 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

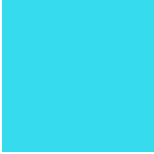
58.0747, 0.2188, 0.2809

### Protanopia

57.1022, 0.2770, 0.2783

### Deuteranopia

57.2647, 0.2672, 0.2625



## **Tritanopia**

58.1437, 0.2233, 0.3051

# Trichromacy



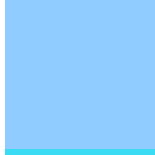
## Original Color

58.0747, 0.2188, 0.2809



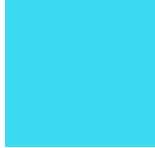
## Protanomaly

55.8593, 0.2482, 0.2778



## Deuteranomaly

56.3350, 0.2432, 0.2679



## Tritanomaly

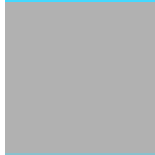
58.1245, 0.2216, 0.2964

# Monochromacy



## Original Color

58.0747, 0.2188, 0.2809



## Achromatopsia

43.9657, 0.3127, 0.3290



## Achromatomaly

47.4254, 0.2637, 0.3112

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.0747, 0.2188, 0.2809 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(68, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(68, 217, 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(68, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 217, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 58.0747, 0.2188, 0.2809 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(68, 217, 255) }
```

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

```
.border{ border-color:rgb(68, 217, 255) }
```

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

Here you see how a box with a 4 pixel rgb(68, 217, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(68, 217,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.0747, 0.2188, 0.2809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 217, 255) }
```

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

```
.background{ background-color: rgb(68, 217,  
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](#).

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