

# Converting Colors

$Yxy(61.4133, 0.2304, 0.2935)$

Have a look what the booklet for  
Yxy(61.4133, 0.2304, 0.2935)  
contains.

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# Color

**Yxy(61.2117, 0.2303, 0.2928)**

# Conversions

## Conversions Part 1

Format	Color
Hex	62DDFA
RGB	98, 221, 250
RGB Percent	38%, 87%, 98%
CMY	0.6156, 0.1333, 0.0197
CMYK	0.61, 0.12, 0.00, 0.02
HSL	191°, 94%, 68%
HSV	191°, 61%, 98%
XYZ	48.1457, 61.2117, 99.6990
YIQ	187.5290, -82.6170, -17.0570

# Conversions

## Conversions Part 2

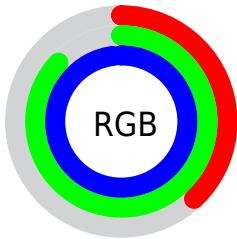
Format	Color
<a href="#">RYB</a>	<a href="#">98, 166, 250</a>
Decimal	<a href="#">6479354</a>
CIELab	<a href="#">82.49, -25.96, -24.40</a>
CIELCh	<a href="#">82, 35.626, 223.220</a>
Yxy	<a href="#">61.2117, 0.2303, 0.2928</a>
Android (android.graphics.Color)	<a href="#">4284669434 (0xFF62DDFA)</a>
YUV	<a href="#">187.5290, 30.7982, -78.5169</a>
Hunter-Lab	<a href="#">78.2379, -27.0718, -20.7870</a>

# Details

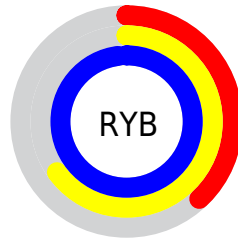
The Yxy color **61.2117, 0.2303, 0.2928** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **36.3749, 0.4845, 0.3581**, and the grayscale version is **49.8678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3171, 0.2610, 0.3288**, and **31.1227, 0.2122, 0.2839** is the 20% darker color. If you saturate the color by 10%, you get **57.5528, 0.2216, 0.2858**, and if you desaturate by 10%, it is **65.3806, 0.2408, 0.2996**.

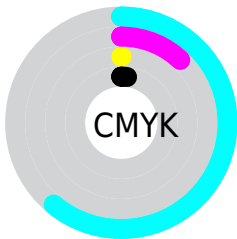
# Distribution



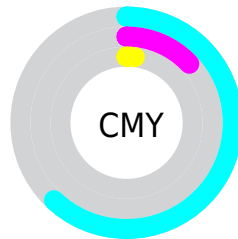
- Red (38%)
- Green (87%)
- Blue (98%)



- Red (38%)
- Yellow (65%)
- Blue (98%)



- Cyan (61%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)




- Cyan (62%)
- Magenta (13%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.2117, 0.2303, 0.2928 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 61.2117, 0.2303, 0.2928 by changing the saturation by 10% instead.




 61.2117, 0.2303,  
0.2928

 61.2117, 0.2303,  
0.2928


429.0498, 0.2682,  
0.3110


 44.3960, 0.2218,  
0.2883


 106.5854, 0.2433,  
0.2994

 30.9820, 0.2114,  
0.2826


 135.9122, 0.2484,  
0.3019

 20.5851, 0.1984,  
0.2752


 170.1782, 0.2528,  
0.3040

 12.8211, 0.1819,  
0.2651

209.7678, 0.2567,  
0.3058

 7.3055, 0.1602,  
0.2509

255.0654, 0.2601,  
0.3074

 3.6539, 0.1310,  
0.2296

306.4553, 0.2631,

 1.4819, 0.0899,

0.3087

0.1957

364.3220, 0.2658,  
0.3100

■ 0.2759, 0.0000,  
0.1021

■ 0.0000, 0.0000,  
0.0000

■ 61.2117, 0.2303,  
0.2928

■ 61.2117, 0.2303,  
0.2928

■ 57.5528, 0.2216,  
0.2858

■ 65.3806, 0.2408,  
0.2996

■ 54.3545, 0.2148,  
0.2788


■ 70.0898, 0.2530,  
0.3062

■ 51.5683, 0.2101,  
0.2719


■ 75.3750, 0.2665,  
0.3124

■ 49.2931, 0.2071,  
0.2655

■ 81.2663, 0.2809,  
0.3183

 87.7919, 0.2960,  
0.3237

 94.9779, 0.3115,  
0.3286

 99.2752, 0.3157,  
0.3332

 99.6806, 0.3156,  
0.3338

# Harmonies

## Analogous

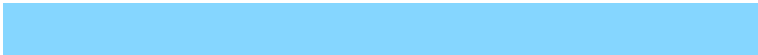
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.2117, 0.2462, 0.3345



61.2117, 0.2303, 0.2928



61.2117, 0.2343, 0.2654

# Triad

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



61.2117, 0.2303, 0.2928



61.2117, 0.3427, 0.2859



61.2117, 0.3667, 0.4089

# Complementary

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



61.2117, 0.2303, 0.2928



36.3749, 0.4845, 0.3581

# 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.



61.2117, 0.3963, 0.3881



61.2117, 0.2303, 0.2928



61.2117, 0.3828, 0.3182

# Square

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



61.2117, 0.2303, 0.2928



61.2117, 0.2964, 0.2637



61.2117, 0.4028, 0.3547



61.2117, 0.3238, 0.4069



# Rectangle

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



61.2117, 0.2303, 0.2928



61.2117, 0.2478, 0.2570



61.2117, 0.4028, 0.3547



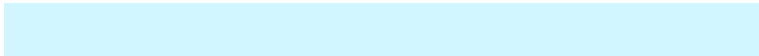
61.2117, 0.3786, 0.4040

# Sweetspot

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



61.2140, 0.2303, 0.2928



86.8536, 0.2850, 0.3198



72.4564, 0.2926, 0.4934



18.1801, 0.2807, 0.3182



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.



61.2140, 0.2303, 0.2928



59.4113, 0.2199, 0.2842



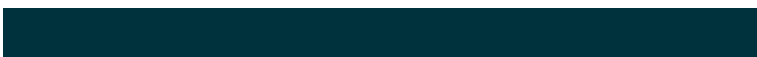
30.0963, 0.2073, 0.1915



19.0130, 0.2980, 0.3244



26.3545, 0.2074, 0.2667



2.5806, 0.2097, 0.2749



# Inverse Universe

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



34.2775, 0.3484, 0.2101



30.6394, 0.3576, 0.1949



63.3737, 0.4278, 0.4324



17.4645, 0.3167, 0.3100



13.0714, 0.3760, 0.1845

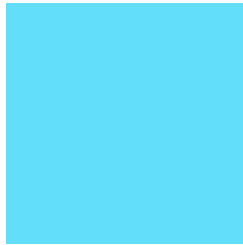


1.2247, 0.3682, 0.1802



# Previews

## White Background



This preview shows how the Yxy color 61.2117, 0.2303, 0.2928 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

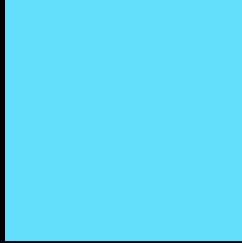
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.2117, 0.2303, 0.2928 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 61.2117, 0.2303, 0.2928**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.2117, 0.2303, 0.2928.

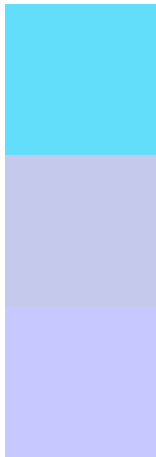


This preview shows how white text looks on a background with the Yxy color 61.2117, 0.2303, 0.2928.

# 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

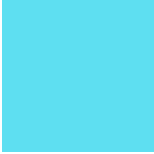
61.2117, 0.2303, 0.2928

### Protanopia

60.2258, 0.2854, 0.2892

### Deuteranopia

60.5343, 0.2749, 0.2684



## Tritanopia

61.5059, 0.2332, 0.3060

# Trichromacy



## Original Color

61.2117, 0.2303, 0.2928



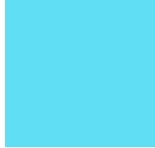
## Protanomaly

59.5888, 0.2601, 0.2895



## Deuteranomaly

59.8850, 0.2547, 0.2764



## Tritanomaly

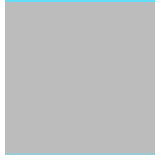
61.2071, 0.2320, 0.3011

# Monochromacy



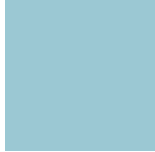
## Original Color

61.2117, 0.2303, 0.2928



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

52.9803, 0.2728, 0.3147

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.2117, 0.2303, 0.2928 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, 221, 250)` looks like.

```
.text, #text, p{  
    color:rgb(98, 221, 250)  
}
```

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, 221, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 221, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 61.2117, 0.2303, 0.2928 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, 221, 250) }
```

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

```
.border{ border-color:rgb(98, 221, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 221, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 221, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 221, 250);  
box-shadow:4px 4px 4px 4px rgb(98, 221,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.2117, 0.2303, 0.2928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 221, 250) }
```

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

```
.background{ background-color: rgb(98, 221,  
250) }
```

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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