

# Converting Colors

$Yxy(67.9479, 0.2058, 0.2250)$

Have a look what the booklet for  
Yxy(67.9479, 0.2058, 0.2250)  
contains.

<b>Yxy(62.9110, 0.2279, 0.2907)</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(62.9110, 0.2279, 0.2907)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EE0FF
RGB	94, 224, 255
RGB Percent	37%, 88%, 100%
CMY	0.6316, 0.1215, 0.0000
CMYK	0.63, 0.12, 0.00, 0.00
HSL	192°, 100%, 68%
HSV	192°, 63%, 100%
XYZ	49.3203, 62.9110, 104.1808
YIQ	188.6640, -87.4310, -17.9190

# Conversions

## Conversions Part 2

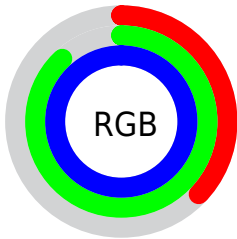
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	94, 166, 255
Decimal	6217983
CIE Lab	83.40, -26.64, -25.71
CIE LCh	83, 37.020, 223.980
Yxy	62.9110, 0.2279, 0.2907
Android (android.graphics.Color)	4284408063 (0xFF5EE0FF)
YUV	188.6640, 32.7036, -83.0203
Hunter-Lab	79.3165, -27.8095, -22.3549

# Details

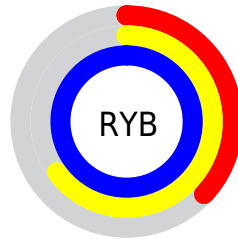
The Yxy color **62.9110, 0.2279, 0.2907** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **36.7150, 0.4945, 0.3589**, and the grayscale version is **50.5239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **32.4532, 0.2116, 0.2816** is the 20% darker color. If you saturate the color by 10%, you get **59.1797, 0.2196, 0.2837**, and if you desaturate by 10%, it is **67.1633, 0.2381, 0.2977**.

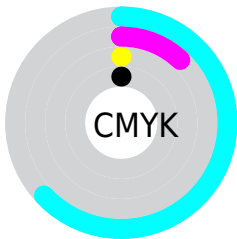
# Distribution



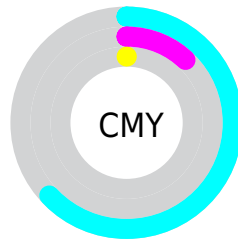
- Red (37%)
- Green (88%)
- Blue (100%)



- Red (37%)
- Yellow (65%)
- Blue (100%)



- Cyan (63%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)




- Cyan (63%)
- Magenta (12%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.9110, 0.2279, 0.2907 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 62.9110, 0.2279, 0.2907 by changing the saturation by 10% instead.





 62.9110, 0.2279,  
0.2907

 62.9110, 0.2279,  
0.2907


435.2464, 0.2666,  
0.3099

 45.7692, 0.2193,  
0.2860


 109.0411, 0.2412,  
0.2976

 32.0637, 0.2088,  
0.2801


 138.7982, 0.2464,  
0.3002

 21.4102, 0.1957,  
0.2724


 173.5292, 0.2509,  
0.3024

 13.4242, 0.1792,  
0.2621

213.6185, 0.2548,  
0.3043

 7.7213, 0.1576,  
0.2476

259.4505, 0.2583,  
0.3060

 3.9171, 0.1288,  
0.2262

311.4095, 0.2614,

 1.6273, 0.0898,

0.3074

369.8800, 0.2641,  
0.3087

0.1925

0.3759, 0.0000,  
0.1178

0.0000, 0.0000,  
0.0000

62.9110, 0.2279,  
0.2907

62.9110, 0.2279,  
0.2907

59.1797, 0.2196,  
0.2837

67.1633, 0.2381,  
0.2977

55.9231, 0.2134,  
0.2766

71.9768, 0.2499,  
0.3044

53.0848, 0.2090,  
0.2696

77.3875, 0.2631,  
0.3108

51.3300, 0.2069,  
0.2648

83.4277, 0.2774,  
0.3168

■ 90.1276, 0.2924,  
0.3224

■ 97.5150, 0.3078,  
0.3275

■ 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.



62.9110, 0.2437, 0.3334



62.9110, 0.2279, 0.2907



62.9110, 0.2325, 0.2630

# Triad

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



62.9110, 0.2279, 0.2907



62.9110, 0.3447, 0.2855



62.9110, 0.3672, 0.4116

# Complementary

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



62.9110, 0.2279, 0.2907



36.7150, 0.4945, 0.3589

# 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.



62.9110, 0.3982, 0.3904



62.9110, 0.2279, 0.2907



62.9110, 0.3857, 0.3187

# Square

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



62.9110, 0.2279, 0.2907



62.9110, 0.2970, 0.2624



62.9110, 0.4057, 0.3562

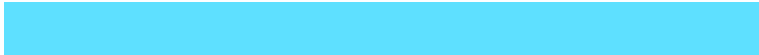


62.9110, 0.3228, 0.4089



# Rectangle

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



62.9110, 0.2279, 0.2907



62.9110, 0.2467, 0.2549



62.9110, 0.4057, 0.3562



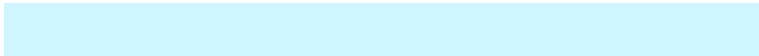
62.9110, 0.3796, 0.4066

# Sweetspot

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



62.9110, 0.2279, 0.2907



86.1360, 0.2835, 0.3192



75.3377, 0.2923, 0.5008



18.0358, 0.2793, 0.3176



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

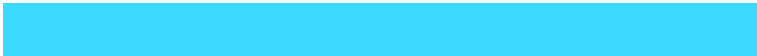


# Same Dimension

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



62.9110, 0.2279, 0.2907



58.2103, 0.2177, 0.2817



29.8273, 0.2033, 0.1850



19.8523, 0.2980, 0.3243



27.0324, 0.2072, 0.2660



2.7774, 0.2094, 0.2740



# Inverse Universe

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



34.6353, 0.3505, 0.2068



29.6656, 0.3603, 0.1925



65.2502, 0.4328, 0.4354



18.2369, 0.3168, 0.3100



13.4569, 0.3767, 0.1849

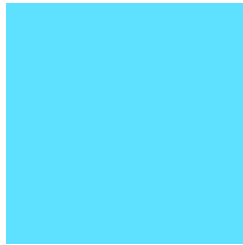


1.3249, 0.3691, 0.1807



# Previews

## White Background



This preview shows how the Yxy color 62.9110, 0.2279, 0.2907 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

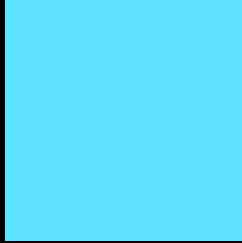
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.9110, 0.2279, 0.2907 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

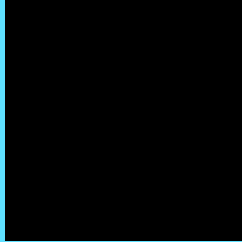
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.9110, 0.2279, 0.2907**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.9110, 0.2279, 0.2907.

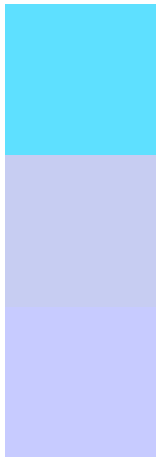


This preview shows how white text looks on a background with the Yxy color 62.9110, 0.2279, 0.2907.

# 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

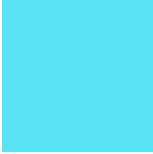
62.9110, 0.2279, 0.2907

### Protanopia

62.2156, 0.2838, 0.2875

### Deuteranopia

62.0740, 0.2758, 0.2719



## Tritanopia

63.0482, 0.2314, 0.3061

# Trichromacy



## Original Color

62.9110, 0.2279, 0.2907



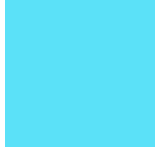
## Protanomaly

61.3794, 0.2579, 0.2877



## Deuteranomaly

61.3856, 0.2537, 0.2779



## Tritanomaly

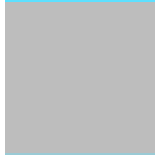
62.8519, 0.2301, 0.3001

# Monochromacy



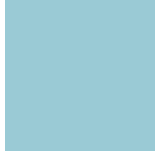
## Original Color

62.9110, 0.2279, 0.2907



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

53.9152, 0.2712, 0.3148

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.9110, 0.2279, 0.2907 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(94, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(94, 224, 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(94, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 224, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 62.9110, 0.2279, 0.2907 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(94, 224, 255) }
```

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

```
.border{ border-color:rgb(94, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(94, 224,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.9110, 0.2279, 0.2907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 224, 255) }
```

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

```
.background{ background-color: rgb(94, 224,  
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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