

# Converting Colors

$Y_{xy}(62.0701, 0.2259, 0.2893)$

Have a look what the booklet for  
Yxy(62.0701, 0.2259, 0.2893)  
contains.

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# Color

**Yxy(62.0701, 0.2259, 0.2893)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58DFFF
RGB	88, 223, 255
RGB Percent	35%, 87%, 100%
CMY	0.6544, 0.1255, 0.0001
CMYK	0.65, 0.13, 0.00, 0.00
HSL	192°, 100%, 67%
HSV	192°, 65%, 100%
XYZ	48.4675, 62.0701, 104.0152
YIQ	186.2830, -90.7320, -18.6680

# Conversions

## Conversions Part 2

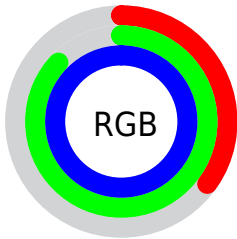
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	88, 163, 255
Decimal	5824511
CIE <sub>Lab</sub>	82.95, -27.05, -26.37
CIE <sub>LCh</sub>	83, 37.777, 224.269
Yxy	62.0701, 0.2259, 0.2893
Android (android.graphics.Color)	4284014591 (0xFF58DFFF)
YUV	186.2830, 33.8775, -86.1942
Hunter-Lab	78.7846, -28.0617, -23.1283

# Details

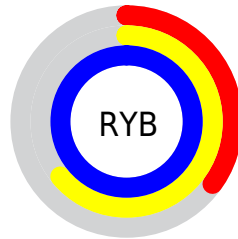
The Yxy color **62.0701, 0.2259, 0.2893** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **35.4219, 0.5042, 0.3592**, and the grayscale version is **49.1331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **32.0825, 0.2111, 0.2799** is the 20% darker color. If you saturate the color by 10%, you get **58.4619, 0.2181, 0.2823**, and if you desaturate by 10%, it is **66.1933, 0.2356, 0.2963**.

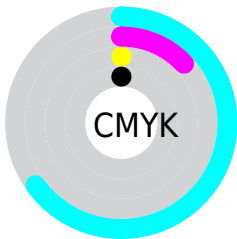
# Distribution



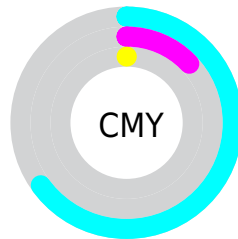
- Red (35%)
- Green (87%)
- Blue (100%)



- Red (35%)
- Yellow (64%)
- Blue (100%)



- Cyan (65%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (65%)
- Magenta (13%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.0701, 0.2259, 0.2893 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 62.0701, 0.2259, 0.2893 by changing the saturation by 10% instead.




 62.0701, 0.2259,  
0.2893


 62.0701, 0.2259,  
0.2893


432.1867, 0.2656,  
0.3092

 45.0893, 0.2171,  
0.2844

 107.8268, 0.2395,  
0.2965

 31.5278, 0.2063,  
0.2783


 137.3716, 0.2448,  
0.2992

 21.0011, 0.1929,  
0.2703


 171.8732, 0.2495,  
0.3015

 13.1248, 0.1760,  
0.2595

 211.7159, 0.2535,  
0.3035

 7.5145, 0.1539,  
0.2444

257.2843, 0.2571,  
0.3052

 3.7859, 0.1246,  
0.2221

308.9626, 0.2602,

 1.5545, 0.0846,

0.3067

0.1873

367.1353, 0.2630,  
0.3080

■ 0.3267, 0.0000,  
0.1044

■ 0.0000, 0.0000,  
0.0000

■ 62.0701, 0.2259,  
0.2893

■ 62.0701, 0.2259,  
0.2893

■ 58.4619, 0.2181,  
0.2823

■ 66.1933, 0.2356,  
0.2963

■ 55.3137, 0.2123,  
0.2752

■ 70.8661, 0.2471,  
0.3030

■ 52.5683, 0.2083,  
0.2682

■ 76.1275, 0.2600,  
0.3095

■ 51.4108, 0.2070,  
0.2651

■ 82.0106, 0.2740,  
0.3155

■ 88.5460, 0.2889,  
0.3212

■ 95.7619, 0.3043,  
0.3264

■ 99.9987, 0.3127,  
0.3290

# Harmonies

## Analogous

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



62.0701, 0.2418, 0.3330



62.0701, 0.2259, 0.2893



62.0701, 0.2309, 0.2613

# Triad

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



62.0701, 0.2259, 0.2893



62.0701, 0.3459, 0.2848



62.0701, 0.3680, 0.4137

# Complementary

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



62.0701, 0.2259, 0.2893



35.4219, 0.5042, 0.3592

# 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.



62.0701, 0.4001, 0.3920



62.0701, 0.2259, 0.2893



62.0701, 0.3879, 0.3188

# Square

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



62.0701, 0.2259, 0.2893



62.0701, 0.2970, 0.2610



62.0701, 0.4081, 0.3570



62.0701, 0.3225, 0.4109



# Rectangle

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



62.0701, 0.2259, 0.2893



62.0701, 0.2454, 0.2531



62.0701, 0.4081, 0.3570



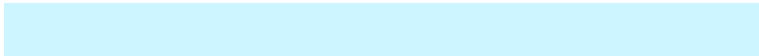
62.0701, 0.3808, 0.4087

# Sweetspot

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



62.0724, 0.2259, 0.2893



85.4978, 0.2821, 0.3187



74.9126, 0.2921, 0.5077



17.9107, 0.2779, 0.3171



0.0000, 0.0000, 0.0000

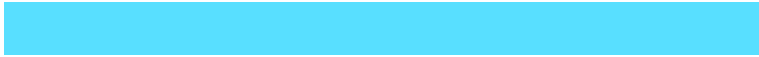


21.4041, 0.3127, 0.3290



# Same Dimension

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



62.0724, 0.2259, 0.2893



57.3009, 0.2158, 0.2797



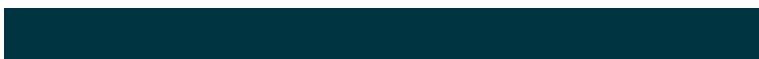
28.3381, 0.1996, 0.1790



19.8547, 0.2980, 0.3243



27.0790, 0.2073, 0.2662



2.7816, 0.2095, 0.2742



# Inverse Universe

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



33.5835, 0.3521, 0.2037



28.8344, 0.3624, 0.1901



64.2705, 0.4373, 0.4381



18.2371, 0.3168, 0.3100



13.4616, 0.3764, 0.1847

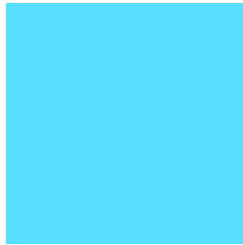


1.3253, 0.3689, 0.1806



# Previews

## White Background



This preview shows how the Yxy color 62.0701, 0.2259, 0.2893 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

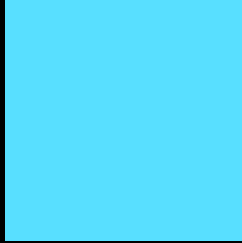
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.0701, 0.2259, 0.2893 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 62.0701, 0.2259, 0.2893**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.0701, 0.2259, 0.2893.

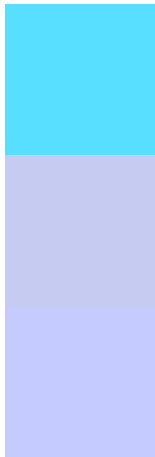


This preview shows how white text looks on a background with the Yxy color 62.0701, 0.2259, 0.2893.

# 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

62.0701, 0.2259, 0.2893

### Protanopia

60.9331, 0.2829, 0.2861

### Deuteranopia

61.3314, 0.2744, 0.2705



## Tritanopia

62.1153, 0.2294, 0.3059

# Trichromacy



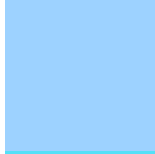
## Original Color

62.0701, 0.2259, 0.2893



## Protanomaly

59.9151, 0.2559, 0.2861



## Deuteranomaly

60.4813, 0.2513, 0.2763



## Tritanomaly

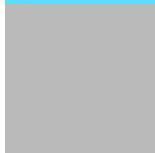
61.9115, 0.2281, 0.2998

# Monochromacy



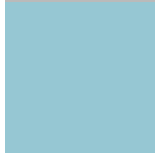
## Original Color

62.0701, 0.2259, 0.2893



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

52.0340, 0.2695, 0.3133

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.0701, 0.2259, 0.2893 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(88, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(88, 223, 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(88, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 223, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 62.0701, 0.2259, 0.2893 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(88, 223, 255) }
```

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

```
.border{ border-color:rgb(88, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(88, 223,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.0701, 0.2259, 0.2893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 223, 255) }
```

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

```
.background{ background-color: rgb(88, 223,  
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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