

# Converting Colors

$Yxy(58.3974, 0.2478, 0.2613)$

Have a look what the booklet for  
Yxy(58.3974, 0.2478, 0.2613)  
contains.

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# Color

**Yxy(57.8793, 0.2519, 0.2693)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0CCFF
RGB	160, 204, 255
RGB Percent	63%, 80%, 100%
CMY	0.3725, 0.2000, 0.0001
CMYK	0.37, 0.20, 0.00, 0.00
HSL	212°, 100%, 81%
HSV	212°, 37%, 100%
XYZ	54.1396, 57.8793, 102.9061
YIQ	196.6580, -42.5950, 6.5330

# Conversions

## Conversions Part 2

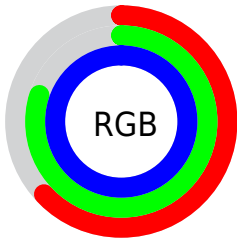
Format	Color
R <sub>Y</sub> B	160, 190, 255
Decimal	10538239
CIE Lab	80.67, -2.22, -29.60
CIE LCh	81, 29.679, 265.718
Yxy	57.8793, 0.2519, 0.2693
Android (android.graphics.Color)	4288728319 (0xFFA0CCFF)
YUV	196.6580, 28.7626, -32.1491
Hunter-Lab	76.0784, -6.1116, -26.9426

# Details

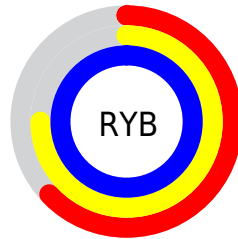
The Yxy color **57.8793, 0.2519, 0.2693** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.3812, 0.3844, 0.3817**, and the grayscale version is **55.4638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **28.8932, 0.2374, 0.2548** is the 20% darker color. If you saturate the color by 10%, you get **49.2937, 0.2353, 0.2497**, and if you desaturate by 10%, it is **67.5801, 0.2687, 0.2875**.

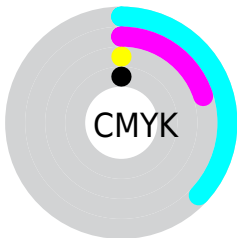
# Distribution



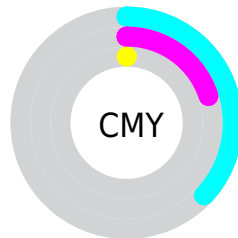
- Red (63%)
- Green (80%)
- Blue (100%)



- Red (63%)
- Yellow (75%)
- Blue (100%)



- Cyan (37%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)




- Cyan (37%)
- Magenta (20%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.8793, 0.2519, 0.2693 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 57.8793, 0.2519, 0.2693 by changing the saturation by 10% instead.




 57.8793, 0.2519,  
0.2693


 57.8793, 0.2519,  
0.2693


416.7360, 0.2805,  
0.2976

 41.7116, 0.2453,  
0.2627


 101.7471, 0.2619,  
0.2792

 28.8755, 0.2372,  
0.2546


 130.2160, 0.2658,  
0.2830

 18.9867, 0.2269,  
0.2443


163.5540, 0.2691,  
0.2863

 11.6607, 0.2134,  
0.2308

202.1457, 0.2720,  
0.2892

 6.5131, 0.1954,  
0.2125

246.3753, 0.2745,  
0.2917

 3.1595, 0.1701,  
0.1867

296.6273, 0.2767,

 1.2156, 0.1332,

0.2939

0.1486

353.2861, 0.2787,  
0.2958

0.0744, 0.0059,  
0.0266

0.0000, 0.0000,  
0.0000

57.8793, 0.2519,  
0.2693

57.8793, 0.2519,  
0.2693

49.2937, 0.2353,  
0.2497

67.5801, 0.2687,  
0.2875

41.7687, 0.2194,  
0.2291

78.4340, 0.2854,  
0.3041

35.2546, 0.2049,  
0.2079

90.4847, 0.3015,  
0.3192

29.6937, 0.1924,  
0.1868

99.9986, 0.3127,  
0.3290

■ 25.0200, 0.1822,  
0.1664

■ 21.1527, 0.1747,  
0.1473

■ 20.1989, 0.1729,  
0.1423

# Harmonies

## Analogous

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



57.8793, 0.2413, 0.2870



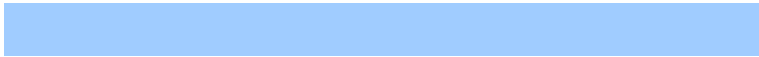
57.8793, 0.2519, 0.2693



57.8793, 0.2782, 0.2672

# Triad

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



57.8793, 0.2519, 0.2693



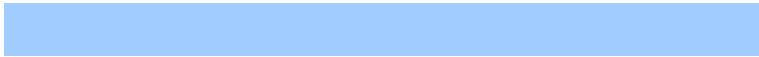
57.8793, 0.3817, 0.3332



57.8793, 0.3065, 0.3868

# Complementary

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



57.8793, 0.2519, 0.2693



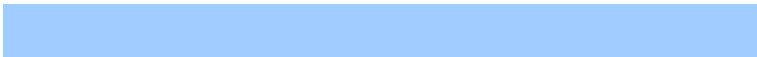
70.3812, 0.3844, 0.3817

# 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.



57.8793, 0.3447, 0.3985



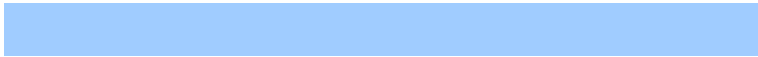
57.8793, 0.2519, 0.2693



57.8793, 0.3896, 0.3643

# Square

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



57.8793, 0.2519, 0.2693



57.8793, 0.3538, 0.3030



57.8793, 0.3756, 0.3889

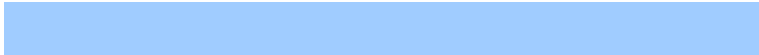


57.8793, 0.2714, 0.3561



# Rectangle

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



57.8793, 0.2519, 0.2693



57.8793, 0.3022, 0.2739



57.8793, 0.3756, 0.3889



57.8793, 0.3194, 0.3932

# Sweetspot

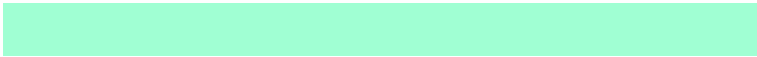
The Sweet Spot groups the original color and five complimentary colors.



57.8815, 0.2519, 0.2693



85.8289, 0.2955, 0.3137



83.6678, 0.2818, 0.3804



18.0192, 0.2933, 0.3117



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

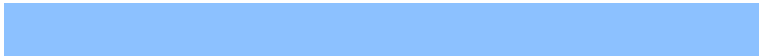


# Same Dimension

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



57.8815, 0.2519, 0.2693



51.1340, 0.2390, 0.2542



40.1740, 0.2462, 0.2161



18.7644, 0.2979, 0.3159



10.8481, 0.1737, 0.1453



1.2721, 0.1797, 0.1667



# Inverse Universe

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



50.7646, 0.3615, 0.2836



43.9574, 0.3764, 0.2743



94.7049, 0.3667, 0.4226



18.1271, 0.3221, 0.3180



11.8231, 0.5121, 0.2595

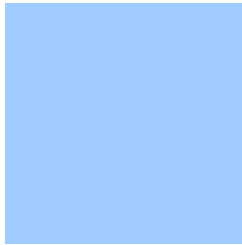


1.1730, 0.4847, 0.2444



# Previews

## White Background



This preview shows how the Yxy color 57.8793, 0.2519, 0.2693 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

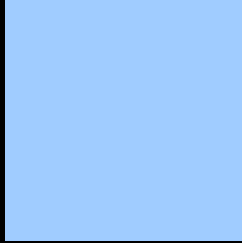
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.8793, 0.2519, 0.2693 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

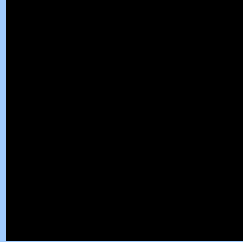
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

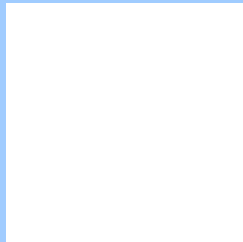
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.8793, 0.2519, 0.2693**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.8793, 0.2519, 0.2693.



This preview shows how white text looks on a background with the Yxy color 57.8793, 0.2519, 0.2693.

# 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

57.8793, 0.2519, 0.2693

### Protanopia

57.8551, 0.2703, 0.2699

### Deuteranopia

57.5187, 0.2685, 0.2628



## Tritanopia

57.8642, 0.2641, 0.3077

# Trichromacy



**Original Color**

57.8793, 0.2519, 0.2693

**Protanomaly**

57.6839, 0.2630, 0.2692

**Deuteranomaly**

57.5318, 0.2618, 0.2650

**Tritanomaly**

57.8080, 0.2595, 0.2924

# Monochromacy



**Original Color**

57.8793, 0.2519, 0.2693

**Achromatopsia**

55.8340, 0.3127, 0.3290

**Achromatomaly**

56.5609, 0.2883, 0.3073

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  57.8793, 0.2519, 0.2693 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(160, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(160, 204, 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(160, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 204, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 57.8793, 0.2519, 0.2693 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(160, 204, 255) }
```

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

```
.border{ border-color:rgb(160, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(160, 204,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.8793, 0.2519, 0.2693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 204, 255) }
```

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

```
.background{ background-color: rgb(160,  
204, 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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