

# Converting Colors

$Y_{xy}(59.6358, 0.2370, 0.2520)$

Have a look what the booklet for  
Yxy(59.6358, 0.2370, 0.2520)  
contains.

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# Color

**Yxy(58.1415, 0.2459, 0.2720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94CFFF
RGB	148, 207, 255
RGB Percent	58%, 81%, 100%
CMY	0.4199, 0.1882, 0.0000
CMYK	0.42, 0.19, 0.00, 0.00
HSL	207°, 100%, 79%
HSV	207°, 42%, 100%
XYZ	52.5625, 58.1415, 103.0515
YIQ	194.8310, -50.5720, 2.4200

# Conversions

## Conversions Part 2

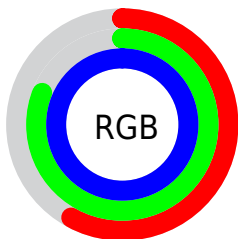
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	148, 186, 255
Decimal	9752575
CIE <sub>Lab</sub>	80.82, -6.91, -29.44
CIE <sub>LCh</sub>	81, 30.237, 256.793
Yxy	58.1415, 0.2459, 0.2720
Android (android.graphics.Color)	4287942655 (0xFF94CFFF)
YUV	194.8310, 29.6633, -41.0708
Hunter-Lab	76.2506, -10.3915, -26.7542

# Details

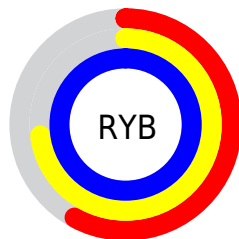
The Yxy color **58.1415, 0.2459, 0.2720** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.8226, 0.4000, 0.3791**, and the grayscale version is **54.3014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **29.0838, 0.2299, 0.2582** is the 20% darker color. If you saturate the color by 10%, you get **50.6863, 0.2307, 0.2554**, and if you desaturate by 10%, it is **66.5253, 0.2618, 0.2876**.

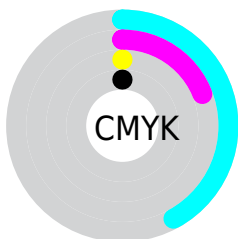
# Distribution



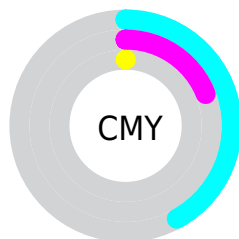
- Red (58%)
- Green (81%)
- Blue (100%)



- Red (58%)
- Yellow (73%)
- Blue (100%)



- Cyan (42%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)




- Cyan (42%)
- Magenta (19%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.1415, 0.2459, 0.2720 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 58.1415, 0.2459, 0.2720 by changing the saturation by 10% instead.





 58.1415, 0.2459,  
0.2720


 58.1415, 0.2459,  
0.2720


417.7130, 0.2772,  
0.2992

 41.9224, 0.2387,  
0.2656


 102.1289, 0.2568,  
0.2816

 29.0405, 0.2299,  
0.2577


 130.6660, 0.2610,  
0.2853

 19.1115, 0.2188,  
0.2476


164.0779, 0.2646,  
0.2884

 11.7509, 0.2044,  
0.2343

202.7489, 0.2678,  
0.2912

 6.5743, 0.1852,  
0.2163

247.0636, 0.2706,  
0.2936

 3.1973, 0.1585,  
0.1906

297.4062, 0.2730,

 1.2356, 0.1204,

0.2957

0.1524

354.1612, 0.2752,  
0.2976

0.0905, 0.0000,  
0.0322

0.0000, 0.0000,  
0.0000

58.1415, 0.2459,  
0.2720

58.1415, 0.2459,  
0.2720

50.6863, 0.2307,  
0.2554

66.5253, 0.2618,  
0.2876

44.1098, 0.2167,  
0.2381

75.8707, 0.2779,  
0.3019

38.3665, 0.2044,  
0.2204

86.2171, 0.2940,  
0.3150

33.4025, 0.1941,  
0.2028

97.5991, 0.3097,  
0.3268

■ 29.1544, 0.1861,  
0.1856

99.9994, 0.3127,  
0.3290

■ 26.1968, 0.1812,  
0.1724

# Harmonies

## Analogous

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



58.1415, 0.2403, 0.2945



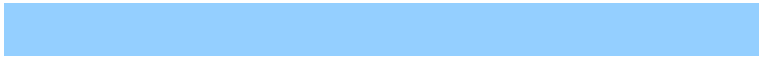
58.1415, 0.2459, 0.2720



58.1415, 0.2682, 0.2652

# Triad

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



58.1415, 0.2459, 0.2720



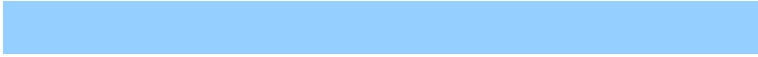
58.1415, 0.3763, 0.3237



58.1415, 0.3180, 0.3938

# Complementary

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



58.1415, 0.2459, 0.2720



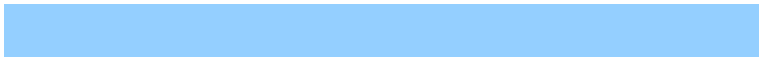
62.8226, 0.4000, 0.3791

# 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.



58.1415, 0.3558, 0.3989



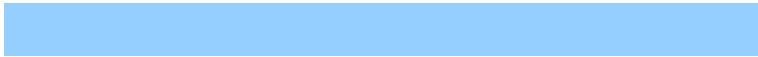
58.1415, 0.2459, 0.2720



58.1415, 0.3910, 0.3557

# Square

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



58.1415, 0.2459, 0.2720



58.1415, 0.3434, 0.2945



58.1415, 0.3830, 0.3836

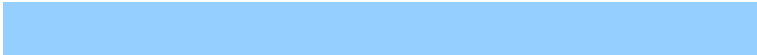


58.1415, 0.2803, 0.3673



# Rectangle

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



58.1415, 0.2459, 0.2720



58.1415, 0.2907, 0.2692



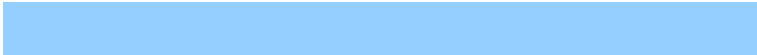
58.1415, 0.3830, 0.3836



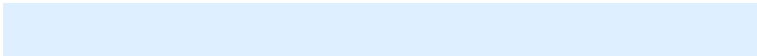
58.1415, 0.3312, 0.3980

# Sweetspot

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



58.1437, 0.2459, 0.2720



85.1337, 0.2924, 0.3138



81.7119, 0.2838, 0.4017



17.7194, 0.2889, 0.3110



0.0000, 0.0000, 0.0000

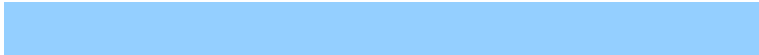


21.4041, 0.3127, 0.3290



# Same Dimension

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



58.1437, 0.2459, 0.2720



52.1036, 0.2337, 0.2588



36.9686, 0.2352, 0.2071



19.0403, 0.2979, 0.3181



13.9921, 0.1820, 0.1751



1.5806, 0.1873, 0.1941



# Inverse Universe

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



46.9182, 0.3609, 0.2685



40.6399, 0.3744, 0.2575



90.4384, 0.3783, 0.4271



18.1549, 0.3207, 0.3160



12.1405, 0.4744, 0.2387

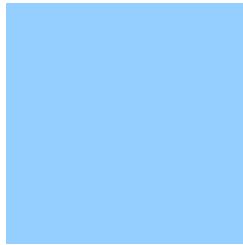


1.2041, 0.4520, 0.2264



# Previews

## White Background



This preview shows how the Yxy color 58.1415, 0.2459, 0.2720 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

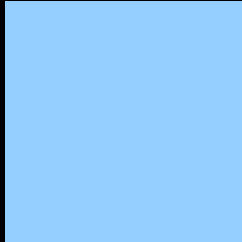
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.1415, 0.2459, 0.2720 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

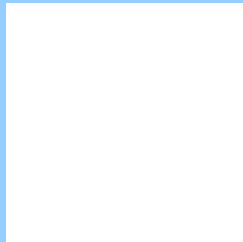
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.1415, 0.2459, 0.2720**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.1415, 0.2459, 0.2720.



This preview shows how white text looks on a background with the Yxy color 58.1415, 0.2459, 0.2720.

# 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

58.1415, 0.2459, 0.2720

### Protanopia

57.8568, 0.2722, 0.2721

### Deuteranopia

57.9713, 0.2686, 0.2639



## Tritanopia

58.4068, 0.2563, 0.3075

# Trichromacy



**Original Color**

58.1415, 0.2459, 0.2720

**Protanomaly**

57.6226, 0.2612, 0.2710

**Deuteranomaly**

57.9920, 0.2596, 0.2670

**Tritanomaly**

58.1955, 0.2529, 0.2944

# Monochromacy



**Original Color**

58.1415, 0.2459, 0.2720

**Achromatopsia**

54.5724, 0.3127, 0.3290

**Achromatomaly**

55.3216, 0.2847, 0.3069

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.1415, 0.2459, 0.2720 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(148, 207, 255)` looks like.

```
.text, #text, p{  
  color:rgb(148, 207, 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(148, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 207, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 58.1415, 0.2459, 0.2720 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(148, 207, 255) }
```

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

```
.border{ border-color:rgb(148, 207, 255) }
```

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

Here you see how a box with a 4 pixel rgb(148, 207, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 207,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.1415, 0.2459, 0.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 207, 255) }
```

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

```
.background{ background-color: rgb(148,  
207, 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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