

# Converting Colors

$Yxy(64.0864, 0.2248, 0.2221)$

Have a look what the booklet for  
Yxy(64.0864, 0.2248, 0.2221)  
contains.

<b>Yxy(59.6910, 0.2495, 0.2749)</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(59.6910, 0.2495, 0.2749)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AD1FF
RGB	154, 209, 255
RGB Percent	60%, 82%, 100%
CMY	0.3961, 0.1804, 0.0000
CMYK	0.40, 0.18, 0.00, 0.00
HSL	207°, 100%, 80%
HSV	207°, 40%, 100%
XYZ	54.1757, 59.6910, 103.2704
YIQ	197.7990, -47.5460, 2.6460

# Conversions

## Conversions Part 2

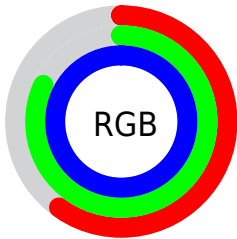
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 190, 255
Decimal	10146303
CIELab	81.67, -6.43, -28.11
CIELCh	82, 28.832, 257.120
Yxy	59.6910, 0.2495, 0.2749
Android (android.graphics.Color)	4288336383 (0xFF9AD1FF)
YUV	197.7990, 28.2001, -38.4117
Hunter-Lab	77.2600, -10.0383, -25.1687

# Details

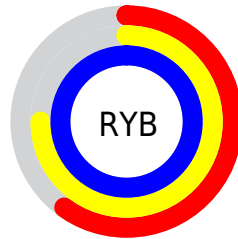
The Yxy color **59.6910, 0.2495, 0.2749** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.8972, 0.3934, 0.3770**, and the grayscale version is **56.1920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **30.1166, 0.2346, 0.2621** is the 20% darker color. If you saturate the color by 10%, you get **51.9592, 0.2340, 0.2583**, and if you desaturate by 10%, it is **68.3741, 0.2656, 0.2905**.

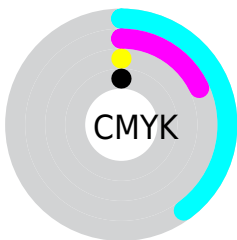
# Distribution



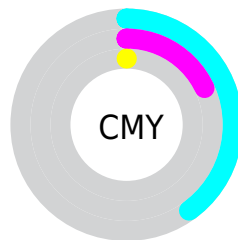
- Red (60%)
- Green (82%)
- Blue (100%)



- Red (60%)
- Yellow (75%)
- Blue (100%)



- Cyan (40%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (18%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.6910, 0.2495, 0.2749 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 59.6910, 0.2495, 0.2749 by changing the saturation by 10% instead.





 59.6910, 0.2495,  
0.2749


 59.6910, 0.2495,  
0.2749


423.4579, 0.2790,  
0.3007

 43.1696, 0.2428,  
0.2689


 104.3813, 0.2598,  
0.2840

 30.0182, 0.2344,  
0.2614


 133.3190, 0.2637,  
0.2874

 19.8524, 0.2240,  
0.2519


167.1643, 0.2672,  
0.2904

 12.2878, 0.2104,  
0.2394

206.3015, 0.2702,  
0.2930

 6.9400, 0.1922,  
0.2224

251.1151, 0.2728,  
0.2953

 3.4246, 0.1669,  
0.1982

301.9894, 0.2751,

 1.3572, 0.1304,

0.2973

0.1620

359.3089, 0.2772,  
0.2991

0.1849, 0.0064,  
0.0629

0.0000, 0.0000,  
0.0000

59.6910, 0.2495,  
0.2749

59.6910, 0.2495,  
0.2749

51.9592, 0.2340,  
0.2583

68.3741, 0.2656,  
0.2905

45.1291, 0.2196,  
0.2408

78.0412, 0.2818,  
0.3048

39.1560, 0.2067,  
0.2228

88.7313, 0.2978,  
0.3178

33.9873, 0.1958,  
0.2048

99.9998, 0.3127,  
0.3290

■ 29.5617, 0.1872,  
0.1873

■ 25.7882, 0.1808,  
0.1705

■ 25.6495, 0.1805,  
0.1698

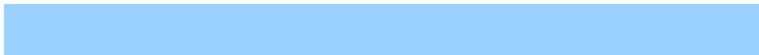
# Harmonies

## Analogous

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



59.6910, 0.2440, 0.2962



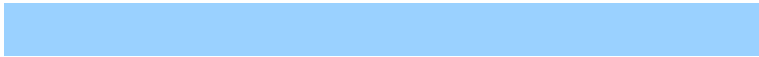
59.6910, 0.2495, 0.2749



59.6910, 0.2709, 0.2685

# Triad

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



59.6910, 0.2495, 0.2749



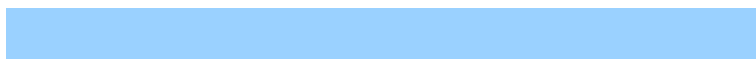
59.6910, 0.3730, 0.3245



59.6910, 0.3175, 0.3898

# Complementary

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



59.6910, 0.2495, 0.2749



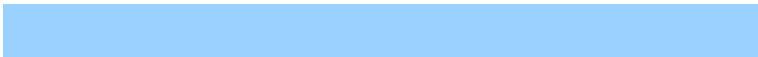
64.8972, 0.3934, 0.3770

# 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.



59.6910, 0.3533, 0.3951



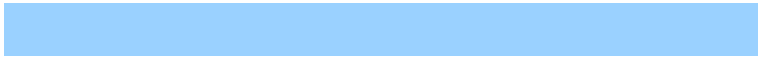
59.6910, 0.2495, 0.2749



59.6910, 0.3867, 0.3549

# Square

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



59.6910, 0.2495, 0.2749



59.6910, 0.3422, 0.2965



59.6910, 0.3790, 0.3811

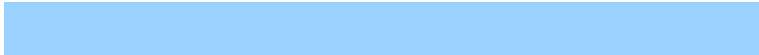


59.6910, 0.2818, 0.3648



# Rectangle

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



59.6910, 0.2495, 0.2749



59.6910, 0.2923, 0.2724



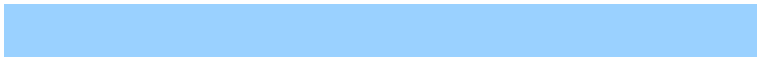
59.6910, 0.3790, 0.3811



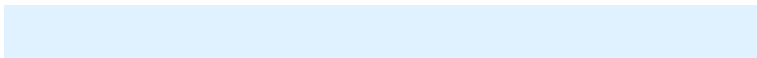
59.6910, 0.3299, 0.3939

# Sweetspot

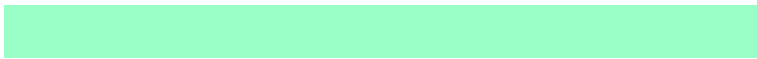
The Sweet Spot groups the original color and five complimentary colors.



59.6933, 0.2495, 0.2749



86.0806, 0.2940, 0.3148



82.5326, 0.2843, 0.3947



18.1202, 0.2919, 0.3131



0.0000, 0.0000, 0.0000

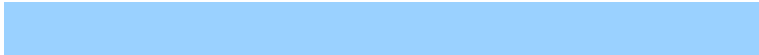


21.4041, 0.3127, 0.3290

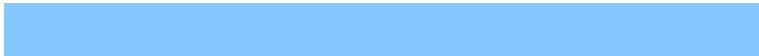


# Same Dimension

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



59.6933, 0.2495, 0.2749



53.1415, 0.2364, 0.2610



38.9031, 0.2399, 0.2132



19.0173, 0.2979, 0.3179



13.7053, 0.1813, 0.1726



1.5530, 0.1866, 0.1918



# Inverse Universe

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



48.9743, 0.3579, 0.2726



42.0614, 0.3718, 0.2610



91.9310, 0.3740, 0.4232



18.1526, 0.3208, 0.3161



12.1115, 0.4775, 0.2404

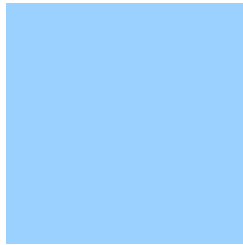


1.2013, 0.4547, 0.2278



# Previews

## White Background



This preview shows how the Yxy color 59.6910, 0.2495, 0.2749 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

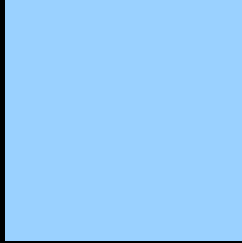
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.6910, 0.2495, 0.2749 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

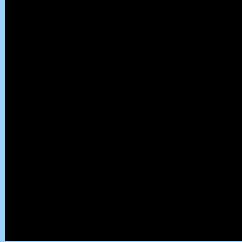
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

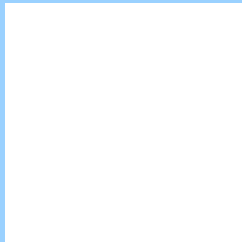
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.6910, 0.2495, 0.2749**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.6910, 0.2495, 0.2749.



This preview shows how white text looks on a background with the Yxy color 59.6910, 0.2495, 0.2749.

# 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

59.6910, 0.2495, 0.2749

### Protanopia

59.2245, 0.2738, 0.2737

### Deuteranopia

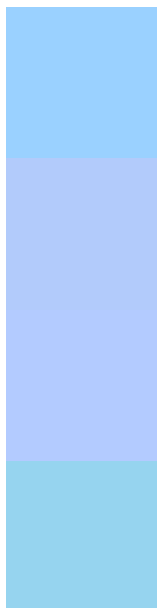
59.5362, 0.2721, 0.2668



## **Tritanopia**

59.5976, 0.2598, 0.3078

# Trichromacy



## Original Color

59.6910, 0.2495, 0.2749

## Protanomaly

59.1419, 0.2646, 0.2739

## Deuteranomaly

59.5156, 0.2630, 0.2699

## Tritanomaly

59.8030, 0.2560, 0.2961

# Monochromacy



## Original Color

59.6910, 0.2495, 0.2749

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

57.3006, 0.2864, 0.3084

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.6910, 0.2495, 0.2749 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(154, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 209, 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(154, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 209, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 59.6910, 0.2495, 0.2749 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(154, 209, 255) }
```

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

```
.border{ border-color:rgb(154, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 209,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.6910, 0.2495, 0.2749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 209, 255) }
```

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

```
.background{ background-color: rgb(154,  
209, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor