

# Converting Colors

$Yxy(61.2057, 0.2552, 0.2769)$

Have a look what the booklet for  
Yxy(61.2057, 0.2552, 0.2769)  
contains.

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# Color

**Yxy(61.2057, 0.2552, 0.2769)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4D2FF
RGB	164, 210, 255
RGB Percent	64%, 82%, 100%
CMY	0.3567, 0.1765, 0.0001
CMYK	0.36, 0.18, 0.00, 0.00
HSL	210°, 100%, 82%
HSV	210°, 36%, 100%
XYZ	56.4092, 61.2057, 103.4241
YIQ	201.3760, -41.8610, 4.2430

# Conversions

## Conversions Part 2

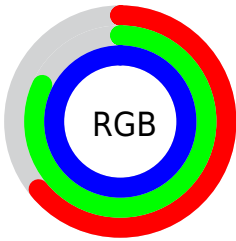
Format	Color
<a href="#">RYB</a>	<a href="#">164, 195, 255</a>
Decimal	<a href="#">10801919</a>
CIELab	<a href="#">82.49, -4.34, -26.79</a>
CIELCh	<a href="#">82, 27.140, 260.803</a>
Yxy	<a href="#">61.2057, 0.2552, 0.2769</a>
Android (android.graphics.Color)	<a href="#">4288991999 (0xFFA4D2FF)</a>
YUV	<a href="#">201.3760, 26.4366, -32.7788</a>
Hunter-Lab	<a href="#">78.2341, -8.2057, -23.6165</a>

# Details

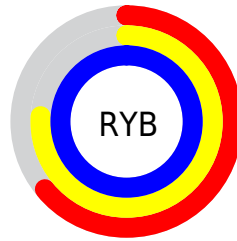
The Yxy color **61.2057, 0.2552, 0.2769** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.5475, 0.3821, 0.3757**, and the grayscale version is **58.5121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **31.1054, 0.2418, 0.2649** is the 20% darker color. If you saturate the color by 10%, you get **52.7769, 0.2390, 0.2591**, and if you desaturate by 10%, it is **70.6738, 0.2717, 0.2934**.

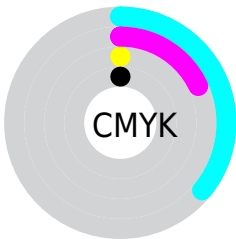
# Distribution



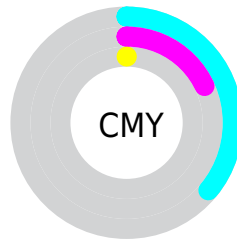
- Red (64%)
- Green (82%)
- Blue (100%)



- Red (64%)
- Yellow (76%)
- Blue (100%)



- Cyan (36%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (18%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.2057, 0.2552, 0.2769 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 61.2057, 0.2552, 0.2769 by changing the saturation by 10% instead.



61.2057, 0.2552,  
0.2769

61.2057, 0.2552,  
0.2769

429.0278, 0.2820,  
0.3015

44.3912, 0.2491,  
0.2712

106.5767, 0.2645,  
0.2855

30.9782, 0.2415,  
0.2641

135.9020, 0.2682,  
0.2889

20.5822, 0.2319,  
0.2551

170.1664, 0.2713,  
0.2917

12.8190, 0.2195,  
0.2433

209.7542, 0.2740,  
0.2942

7.3040, 0.2029,  
0.2273

255.0498, 0.2764,  
0.2964

3.6529, 0.1795,  
0.2045

306.4377, 0.2785,

1.4814, 0.1453,

0.2983

0.1703

364.3023, 0.2804,  
0.3000

0.2756, 0.0491,  
0.0867

0.0000, 0.0000,  
0.0000

61.2057, 0.2552,  
0.2769

61.2057, 0.2552,  
0.2769

52.7769, 0.2390,  
0.2591

70.6738, 0.2717,  
0.2934

45.3365, 0.2235,  
0.2404

81.2149, 0.2881,  
0.3084

38.8388, 0.2094,  
0.2209

92.8697, 0.3040,  
0.3220

33.2310, 0.1971,  
0.2013

99.9982, 0.3127,  
0.3290

■ 28.4527, 0.1870,  
0.1821

■ 24.4314, 0.1795,  
0.1639

■ 22.8814, 0.1768,  
0.1563

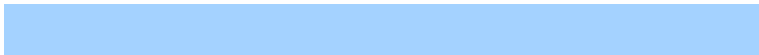
# Harmonies

## Analogous

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



61.2057, 0.2481, 0.2954



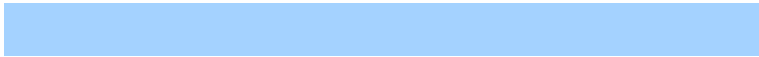
61.2057, 0.2552, 0.2769



61.2057, 0.2770, 0.2725

# Triad

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



61.2057, 0.2552, 0.2769



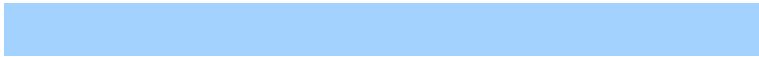
61.2057, 0.3715, 0.3284



61.2057, 0.3130, 0.3836

# Complementary

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



61.2057, 0.2552, 0.2769



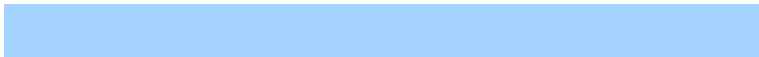
69.5475, 0.3821, 0.3757

# 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.



61.2057, 0.3469, 0.3910



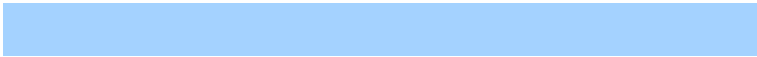
61.2057, 0.2552, 0.2769



61.2057, 0.3819, 0.3568

# Square

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



61.2057, 0.2552, 0.2769



61.2057, 0.3444, 0.3015



61.2057, 0.3725, 0.3802



61.2057, 0.2802, 0.3585



# Rectangle

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



61.2057, 0.2552, 0.2769



61.2057, 0.2978, 0.2771



61.2057, 0.3725, 0.3802



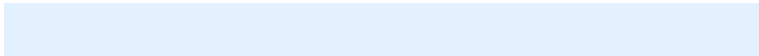
61.2057, 0.3247, 0.3882

# Sweetspot

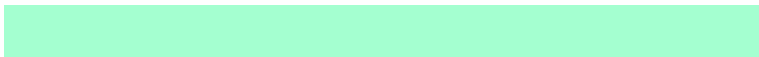
The Sweet Spot groups the original color and five complimentary colors.



61.2081, 0.2552, 0.2769



86.5279, 0.2955, 0.3149



83.9535, 0.2852, 0.3834



18.1856, 0.2934, 0.3131



0.0000, 0.0000, 0.0000

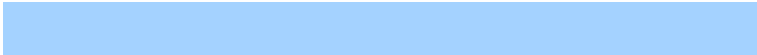


21.4041, 0.3127, 0.3290



# Same Dimension

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



61.2081, 0.2552, 0.2769



54.9354, 0.2433, 0.2640



42.2289, 0.2477, 0.2229



18.8951, 0.2979, 0.3169



12.2582, 0.1776, 0.1592



1.4121, 0.1832, 0.1796



# Inverse Universe

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



52.4752, 0.3552, 0.2818



45.8239, 0.3677, 0.2720



94.4762, 0.3671, 0.4168



18.1403, 0.3215, 0.3170



11.9654, 0.4942, 0.2496

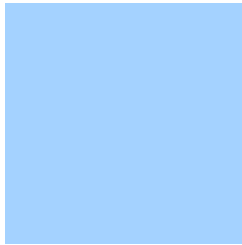


1.1871, 0.4690, 0.2357



# Previews

## White Background



This preview shows how the Yxy color 61.2057, 0.2552, 0.2769 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

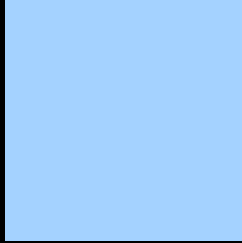
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.2057, 0.2552, 0.2769 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

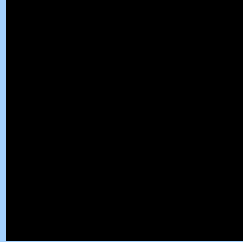
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

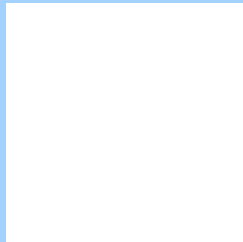
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.2057, 0.2552, 0.2769**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.2057, 0.2552, 0.2769.



This preview shows how white text looks on a background with the Yxy color 61.2057, 0.2552, 0.2769.

# 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

61.2057, 0.2552, 0.2769

### Protanopia

61.0833, 0.2754, 0.2764

### Deuteranopia

60.9991, 0.2749, 0.2695



## Tritanopia

61.1318, 0.2651, 0.3082

# Trichromacy



## Original Color

61.2057, 0.2552, 0.2769

## Protanomaly

61.2382, 0.2675, 0.2768

## Deuteranomaly

60.8448, 0.2675, 0.2717

## Tritanomaly

61.3534, 0.2612, 0.2967

# Monochromacy



## Original Color

61.2057, 0.2552, 0.2769

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

59.0976, 0.2894, 0.3088

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.2057, 0.2552, 0.2769 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(164, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 210, 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(164, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 210, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 61.2057, 0.2552, 0.2769 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(164, 210, 255) }
```

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

```
.border{ border-color:rgb(164, 210, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 210,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.2057, 0.2552, 0.2769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 210, 255) }
```

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

```
.background{ background-color: rgb(164,  
210, 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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