

# Converting Colors

$Yxy(62.1921, 0.2558, 0.2732)$

Have a look what the booklet for  
Yxy(62.1921, 0.2558, 0.2732)  
contains.

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# **Color**

**Yxy(61.7482, 0.2580, 0.2773)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9D2FF
RGB	169, 210, 255
RGB Percent	66%, 82%, 100%
CMY	0.3374, 0.1764, 0.0001
CMYK	0.34, 0.18, 0.00, 0.00
HSL	211°, 100%, 83%
HSV	211°, 34%, 100%
XYZ	57.4505, 61.7482, 103.4778
YIQ	202.8710, -38.8810, 5.3030

# Conversions

## Conversions Part 2

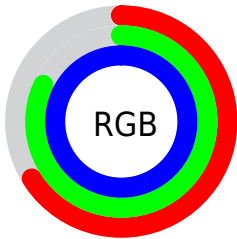
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">169, 197, 255</a>
Decimal	<a href="#">11129599</a>
CIELab	<a href="#">82.78, -3.02, -26.32</a>
CIElCh	<a href="#">83, 26.497, 263.460</a>
Yxy	<a href="#">61.7482, 0.2580, 0.2773</a>
Android (android.graphics.Color)	<a href="#">4289319679 (0xFFA9D2FF)</a>
YUV	<a href="#">202.8710, 25.6996, -29.7049</a>
Hunter-Lab	<a href="#">78.5800, -7.0121, -23.0698</a>

# Details

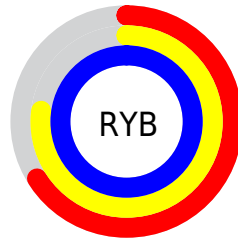
The Yxy color **61.7482, 0.2580, 0.2773** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.1791, 0.3767, 0.3755**, and the grayscale version is **59.4876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **31.4316, 0.2451, 0.2654** is the 20% darker color. If you saturate the color by 10%, you get **52.8898, 0.2414, 0.2587**, and if you desaturate by 10%, it is **71.7095, 0.2747, 0.2945**.

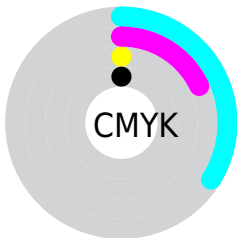
# Distribution



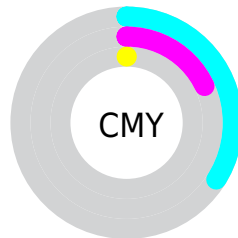
- Red (66%)
- Green (82%)
- Blue (100%)



- Red (66%)
- Yellow (77%)
- Blue (100%)



- Cyan (34%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)




- Cyan (34%)
- Magenta (18%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.7482, 0.2580, 0.2773 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 61.7482, 0.2580, 0.2773 by changing the saturation by 10% instead.





 61.7482, 0.2580,  
0.2773

 61.7482, 0.2580,  
0.2773


431.0120, 0.2835,  
0.3017

 44.8293, 0.2522,  
0.2717


 107.3615, 0.2669,  
0.2858

 31.3230, 0.2449,  
0.2647

136.8247, 0.2703,  
0.2891

 20.8449, 0.2358,  
0.2558


171.2381, 0.2733,  
0.2919

 13.0107, 0.2240,  
0.2443

210.9861, 0.2759,  
0.2944

 7.4359, 0.2080,  
0.2286

256.4531, 0.2782,  
0.2966

 3.7362, 0.1856,  
0.2063

308.0235, 0.2802,

 1.5271, 0.1526,

0.2985

0.1728

366.0817, 0.2819,  
0.3002

0.3077, 0.0667,  
0.0938

0.0000, 0.0000,  
0.0000

61.7482, 0.2580,  
0.2773

61.7482, 0.2580,  
0.2773

52.8898, 0.2414,  
0.2587

71.7095, 0.2747,  
0.2945

45.0817, 0.2254,  
0.2390

82.8089, 0.2911,  
0.3101

38.2771, 0.2105,  
0.2185

95.0885, 0.3070,  
0.3242

32.4218, 0.1974,  
0.1978

99.9985, 0.3127,  
0.3290

■ 27.4544, 0.1866,  
0.1775

■ 23.3030, 0.1782,  
0.1583

■ 21.0584, 0.1741,  
0.1469

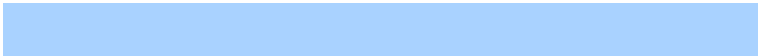
# Harmonies

## Analogous

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



61.7482, 0.2497, 0.2942



61.7482, 0.2580, 0.2773



61.7482, 0.2804, 0.2742

# Triad

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



61.7482, 0.2580, 0.2773



61.7482, 0.3716, 0.3310



61.7482, 0.3100, 0.3805

# Complementary

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



61.7482, 0.2580, 0.2773



72.1791, 0.3767, 0.3755

# 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.



61.7482, 0.3433, 0.3895



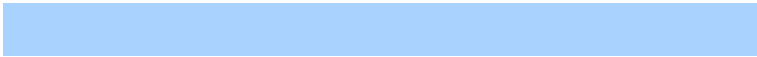
61.7482, 0.2580, 0.2773



61.7482, 0.3800, 0.3585

# Square

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



61.7482, 0.2580, 0.2773



61.7482, 0.3463, 0.3044



61.7482, 0.3693, 0.3804



61.7482, 0.2786, 0.3550



# Rectangle

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



61.7482, 0.2580, 0.2773



61.7482, 0.3012, 0.2794



61.7482, 0.3693, 0.3804



61.7482, 0.3214, 0.3856

# Sweetspot

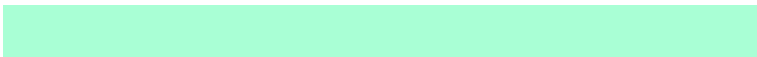
The Sweet Spot groups the original color and five complimentary colors.



61.7506, 0.2580, 0.2773



87.2677, 0.2971, 0.3155



84.7620, 0.2850, 0.3765



18.3165, 0.2949, 0.3135



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

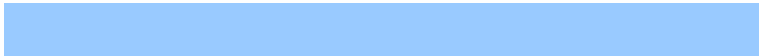


# Same Dimension

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



61.7506, 0.2580, 0.2773



56.0811, 0.2476, 0.2658



44.1753, 0.2525, 0.2282



18.8078, 0.2979, 0.3162



11.3004, 0.1750, 0.1498



1.3174, 0.1808, 0.1710



# Inverse Universe

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



54.2749, 0.3543, 0.2868



48.2914, 0.3652, 0.2788



95.3536, 0.3628, 0.4137



18.1315, 0.3219, 0.3177



11.8687, 0.5061, 0.2562

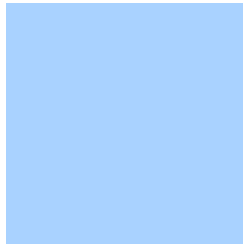


1.1775, 0.4794, 0.2415



# Previews

## White Background



This preview shows how the Yxy color 61.7482, 0.2580, 0.2773 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

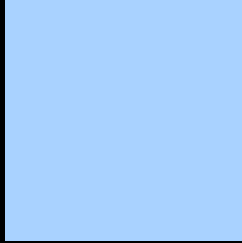
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.7482, 0.2580, 0.2773 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

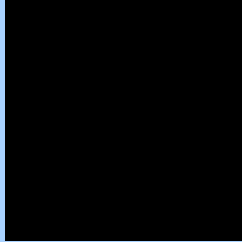
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

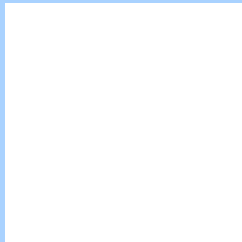
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.7482, 0.2580, 0.2773**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.7482, 0.2580, 0.2773.



This preview shows how white text looks on a background with the Yxy color 61.7482, 0.2580, 0.2773.

# 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

61.7482, 0.2580, 0.2773

### Protanopia

61.6900, 0.2762, 0.2777

### Deuteranopia

61.6032, 0.2757, 0.2708



## Tritanopia

61.6492, 0.2680, 0.3084

# Trichromacy



## Original Color

61.7482, 0.2580, 0.2773

## Protanomaly

61.6100, 0.2694, 0.2771

## Deuteranomaly

61.5740, 0.2688, 0.2731

## Tritanomaly

61.8791, 0.2641, 0.2969

# Monochromacy



## Original Color

61.7482, 0.2580, 0.2773

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

60.4929, 0.2909, 0.3102

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.7482, 0.2580, 0.2773 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(169, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 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(169, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 210, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 61.7482, 0.2580, 0.2773 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(169, 210, 255) }
```

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

```
.border{ border-color:rgb(169, 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(169, 210, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 210,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.7482, 0.2580, 0.2773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 210, 255) }
```

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

```
.background{ background-color: rgb(169,  
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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