

# Converting Colors

$Yxy(62.4842, 0.2580, 0.2791)$

Have a look what the booklet for  
Yxy(62.4842, 0.2580, 0.2791)  
contains.

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# Color

**Yxy(62.7420, 0.2583, 0.2796)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9D4FF
RGB	169, 212, 255
RGB Percent	66%, 83%, 100%
CMY	0.3372, 0.1686, 0.0000
CMYK	0.34, 0.17, 0.00, 0.00
HSL	210°, 100%, 83%
HSV	210°, 34%, 100%
XYZ	57.9623, 62.7420, 103.6948
YIQ	204.0450, -39.4310, 4.2570

# Conversions

## Conversions Part 2

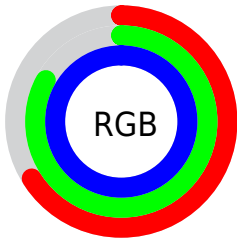
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 198, 255
Decimal	11130111
CIELab	83.31, -4.04, -25.55
CIELCh	83, 25.871, 261.019
Yxy	62.7420, 0.2583, 0.2796
Android (android.graphics.Color)	4289320191 (0xFFA9D4FF)
YUV	204.0450, 25.1208, -30.7345
Hunter-Lab	79.2098, -7.9987, -22.1706

# Details

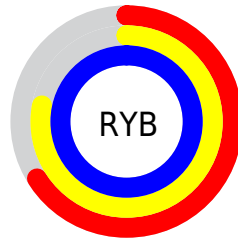
The Yxy color **62.7420, 0.2583, 0.2796** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.2213, 0.3774, 0.3735**, and the grayscale version is **60.2715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **32.1083, 0.2456, 0.2686** is the 20% darker color. If you saturate the color by 10%, you get **54.0646, 0.2420, 0.2619**, and if you desaturate by 10%, it is **72.4729, 0.2749, 0.2960**.

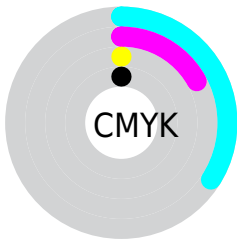
# Distribution



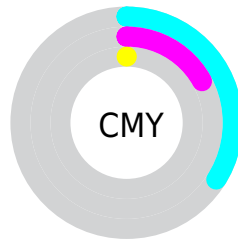
- Red (66%)
- Green (83%)
- Blue (100%)



- Red (66%)
- Yellow (78%)
- Blue (100%)



- Cyan (34%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (17%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.7420, 0.2583, 0.2796 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 62.7420, 0.2583, 0.2796 by changing the saturation by 10% instead.



■ 62.7420, 0.2583,  
0.2796

■ 62.7420, 0.2583,  
0.2796

434.6325, 0.2836,  
0.3029

■ 45.6325, 0.2525,  
0.2742

■ 108.7972, 0.2671,  
0.2877

■ 31.9559, 0.2454,  
0.2675

138.5117, 0.2705,  
0.2909

■ 21.3278, 0.2364,  
0.2591

173.1967, 0.2735,  
0.2936

■ 13.3639, 0.2247,  
0.2480

213.2366, 0.2760,  
0.2959

■ 7.6796, 0.2090,  
0.2330

259.0157, 0.2783,  
0.2980

■ 3.8906, 0.1870,  
0.2115

310.9185, 0.2803,

■ 1.6126, 0.1545,

0.2998

0.1792

369.3293, 0.2820,  
0.3014

0.3660, 0.0736,  
0.1080

0.0000, 0.0000,  
0.0000

62.7420, 0.2583,  
0.2796

62.7420, 0.2583,  
0.2796

54.0646, 0.2420,  
0.2619

72.4729, 0.2749,  
0.2960

46.3973, 0.2263,  
0.2431

83.2981, 0.2912,  
0.3110

39.6925, 0.2117,  
0.2235

95.2559, 0.3070,  
0.3244

33.8978, 0.1990,  
0.2037

100.0000, 0.3127,  
0.3290

■ 28.9542, 0.1884,  
0.1842

■ 24.7917, 0.1803,  
0.1655

■ 22.5198, 0.1762,  
0.1544

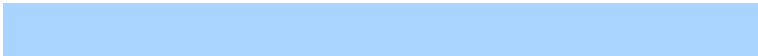
# Harmonies

## Analogous

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



62.7420, 0.2514, 0.2971



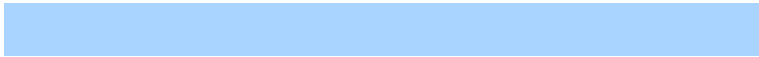
62.7420, 0.2583, 0.2796



62.7420, 0.2791, 0.2754

# Triad

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



62.7420, 0.2583, 0.2796



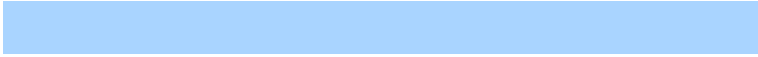
62.7420, 0.3684, 0.3288



62.7420, 0.3129, 0.3803

# Complementary

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



62.7420, 0.2583, 0.2796



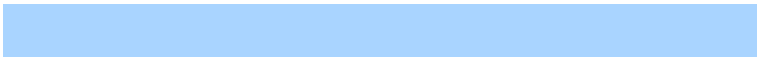
71.2213, 0.3774, 0.3735

# 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.



62.7420, 0.3450, 0.3876



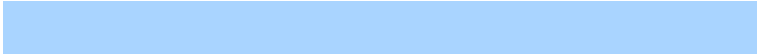
62.7420, 0.2583, 0.2796



62.7420, 0.3781, 0.3557

# Square

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



62.7420, 0.2583, 0.2796



62.7420, 0.3429, 0.3031



62.7420, 0.3692, 0.3776

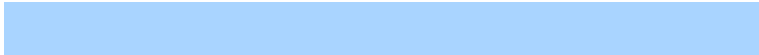


62.7420, 0.2818, 0.3567



# Rectangle

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



62.7420, 0.2583, 0.2796



62.7420, 0.2989, 0.2798



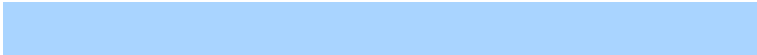
62.7420, 0.3692, 0.3776



62.7420, 0.3239, 0.3848

# Sweetspot

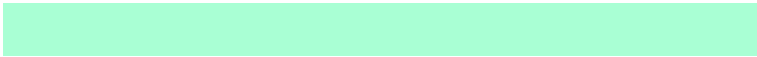
The Sweet Spot groups the original color and five complimentary colors.



62.7420, 0.2583, 0.2796



87.6116, 0.2971, 0.3161



84.7105, 0.2858, 0.3782



18.3997, 0.2949, 0.3142



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

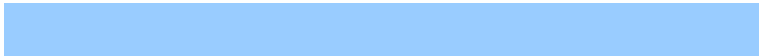


# Same Dimension

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



62.7420, 0.2583, 0.2796



57.1719, 0.2480, 0.2687



44.0382, 0.2516, 0.2280



18.8780, 0.2979, 0.3168



12.0657, 0.1770, 0.1573



1.3932, 0.1828, 0.1779



# Inverse Universe

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



54.3948, 0.3525, 0.2849



48.4015, 0.3629, 0.2765



95.6451, 0.3637, 0.4134



18.1385, 0.3215, 0.3172



11.9460, 0.4965, 0.2509

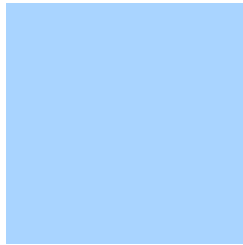


1.1852, 0.4710, 0.2369



# Previews

## White Background



This preview shows how the Yxy color 62.7420, 0.2583, 0.2796 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

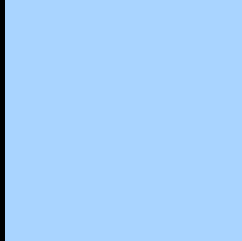
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.7420, 0.2583, 0.2796 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

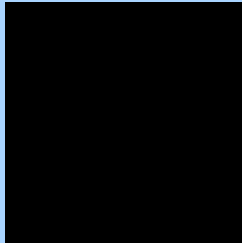
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

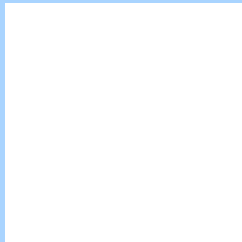
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.7420, 0.2583, 0.2796**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.7420, 0.2583, 0.2796.



This preview shows how white text looks on a background with the Yxy color 62.7420, 0.2583, 0.2796.

# 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

62.7420, 0.2583, 0.2796

### Protanopia

62.4351, 0.2776, 0.2790

### Deuteranopia

62.4884, 0.2778, 0.2722



## Tritanopia

62.8874, 0.2678, 0.3086

# Trichromacy



## Original Color

62.7420, 0.2583, 0.2796

## Protanomaly

62.7048, 0.2702, 0.2795

## Deuteranomaly

62.3098, 0.2702, 0.2744

## Tritanomaly

63.0587, 0.2644, 0.2983

# Monochromacy



## Original Color

62.7420, 0.2583, 0.2796

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

61.0297, 0.2903, 0.3102

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.7420, 0.2583, 0.2796 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, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 212, 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, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 212, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 62.7420, 0.2583, 0.2796 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, 212, 255) }
```

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

```
.border{ border-color:rgb(169, 212, 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, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 212,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.7420, 0.2583, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 212, 255) }
```

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

```
.background{ background-color: rgb(169,  
212, 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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