

# Converting Colors

$Yxy(62.2655, 0.2570, 0.2858)$

Have a look what the booklet for  
Yxy(62.2655, 0.2570, 0.2858)  
contains.

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# Color

**Yxy(62.1720, 0.2571, 0.2857)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2D5FA
RGB	162, 213, 250
RGB Percent	64%, 84%, 98%
CMY	0.3647, 0.1647, 0.0196
CMYK	0.35, 0.15, 0.00, 0.02
HSL	205°, 90%, 81%
HSV	205°, 35%, 98%
XYZ	55.9483, 62.1720, 99.4926
YIQ	201.9690, -42.2730, 0.6950

# Conversions

## Conversions Part 2

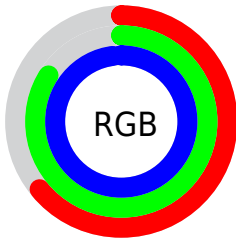
<b>Format</b>	<b>Color</b>
<b>RYB</b>	162, 194, 250
Decimal	10671610
CIELab	83.00, -7.71, -23.38
CIELCh	83, 24.617, 251.754
Yxy	62.1720, 0.2571, 0.2857
Android (android.graphics.Color)	4288861690 (0xFFA2D5FA)
YUV	201.9690, 23.6793, -35.0528
Hunter-Lab	78.8492, -11.3296, -19.6182

# Details

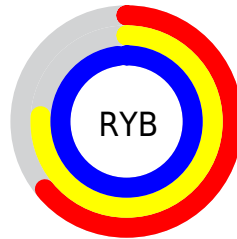
The Yxy color  $62.1720, 0.2571, 0.2857$  is a light color, and the websafe version is hex  $99CCFF$ . A complement of this color would be  $63.7739, 0.3833, 0.3684$ , and the grayscale version is  $58.9123, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $93.8001, 0.2911, 0.3289$ , and  $31.4298, 0.2440, 0.2748$  is the 20% darker color. If you saturate the color by 10%, you get  $54.6947, 0.2417, 0.2709$ , and if you desaturate by 10%, it is  $70.5172, 0.2730, 0.2995$ .

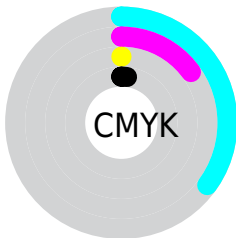
# Distribution



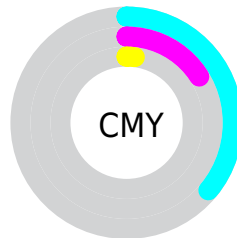
- Red (64%)
- Green (84%)
- Blue (98%)



- Red (64%)
- Yellow (76%)
- Blue (98%)



- Cyan (35%)
- Magenta (15%)
- Yellow (0%)
- Black (2%)



- Cyan (36%)
- Magenta (16%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1720, 0.2571, 0.2857 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 62.1720, 0.2571, 0.2857 by changing the saturation by 10% instead.



62.1720, 0.2571,  
0.2857

62.1720, 0.2571,  
0.2857

432.5582, 0.2830,  
0.3064

45.1717, 0.2512,  
0.2809

107.9741, 0.2661,  
0.2930

31.5927, 0.2439,  
0.2748

137.5446, 0.2696,  
0.2958

21.0506, 0.2347,  
0.2671

172.0741, 0.2726,  
0.2982

13.1610, 0.2227,  
0.2569

211.9468, 0.2752,  
0.3002

7.5395, 0.2066,  
0.2430

257.5472, 0.2775,  
0.3021

3.8017, 0.1839,  
0.2227

309.2596, 0.2796,

1.5633, 0.1503,

0.3037

0.1913

367.4685, 0.2814,  
0.3051

0.3327, 0.0446,  
0.1159

0.0000, 0.0000,  
0.0000

62.1720, 0.2571,  
0.2857

62.1720, 0.2571,  
0.2857

54.6947, 0.2417,  
0.2709

70.5172, 0.2730,  
0.2995

48.0405, 0.2272,  
0.2551

79.7576, 0.2889,  
0.3121

42.1710, 0.2141,  
0.2388

89.9282, 0.3047,  
0.3235

37.0406, 0.2028,  
0.2223

99.6821, 0.3156,  
0.3338

■ 32.5971, 0.1936,  
0.2058

■ 28.7776, 0.1867,  
0.1898

■ 27.1253, 0.1840,  
0.1824

# Harmonies

## Analogous

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



62.1720, 0.2550, 0.3061



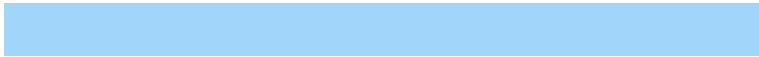
62.1720, 0.2571, 0.2857



62.1720, 0.2732, 0.2776

# Triad

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



62.1720, 0.2571, 0.2857



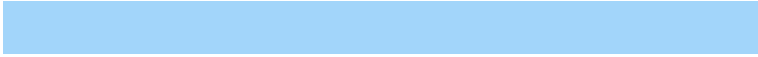
62.1720, 0.3596, 0.3209



62.1720, 0.3227, 0.3818

# Complementary

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



62.1720, 0.2571, 0.2857



63.7739, 0.3833, 0.3684

# 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.



62.1720, 0.3519, 0.3836



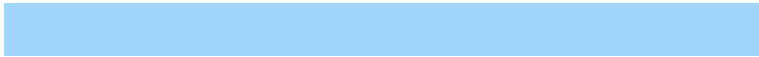
62.1720, 0.2571, 0.2857



62.1720, 0.3741, 0.3469

# Square

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



62.1720, 0.2571, 0.2857



62.1720, 0.3321, 0.2978



62.1720, 0.3711, 0.3700



62.1720, 0.2918, 0.3636



# Rectangle

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



62.1720, 0.2571, 0.2857



62.1720, 0.2904, 0.2793



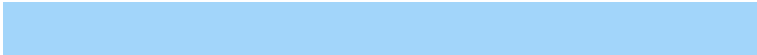
62.1720, 0.3711, 0.3700



62.1720, 0.3330, 0.3843

# Sweetspot

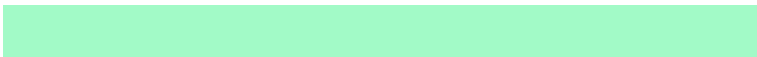
The Sweet Spot groups the original color and five complimentary colors.



62.1744, 0.2571, 0.2857



87.7691, 0.2956, 0.3170



80.1597, 0.2886, 0.3897



18.4814, 0.2934, 0.3155



0.0000, 0.0000, 0.0000

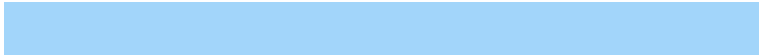


21.4041, 0.3127, 0.3290

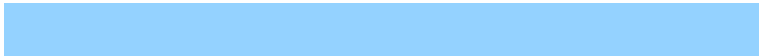


# Same Dimension

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



62.1744, 0.2571, 0.2857



59.5896, 0.2465, 0.2757



43.0813, 0.2498, 0.2319



18.3144, 0.2980, 0.3188



14.6792, 0.1847, 0.1849



1.5692, 0.1899, 0.2038



# Inverse Universe

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



50.9672, 0.3484, 0.2759



47.0606, 0.3580, 0.2656



86.8337, 0.3682, 0.4104



17.3940, 0.3203, 0.3153



11.8928, 0.4627, 0.2322

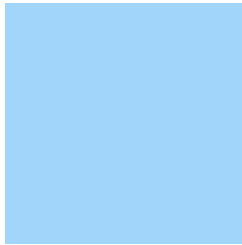


1.1226, 0.4410, 0.2203



# Previews

## White Background



This preview shows how the Yxy color 62.1720, 0.2571, 0.2857 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

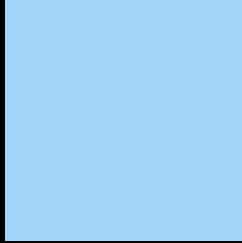
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.1720, 0.2571, 0.2857 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

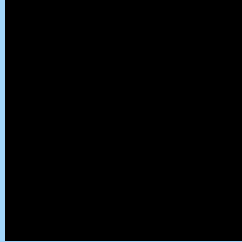
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

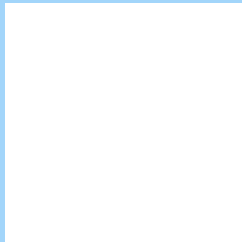
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.1720, 0.2571, 0.2857**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.1720, 0.2571, 0.2857.



This preview shows how white text looks on a background with the Yxy color 62.1720, 0.2571, 0.2857.

# 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

62.1720, 0.2571, 0.2857

### Protanopia

61.7232, 0.2818, 0.2842

### Deuteranopia

61.9658, 0.2802, 0.2742



## Tritanopia

62.2640, 0.2643, 0.3084

# Trichromacy



**Original Color**

62.1720, 0.2571, 0.2857

**Protanomaly**

61.5938, 0.2723, 0.2845

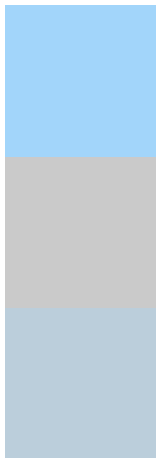
**Deuteranomaly**

61.7990, 0.2712, 0.2783

**Tritanomaly**

62.2038, 0.2615, 0.3002

# Monochromacy



**Original Color**

62.1720, 0.2571, 0.2857

**Achromatopsia**

59.0619, 0.3127, 0.3290

**Achromatomaly**

59.8219, 0.2901, 0.3135

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.1720, 0.2571, 0.2857 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(162, 213, 250)` looks like.

```
.text, #text, p{  
    color:rgb(162, 213, 250)  
}
```

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(162, 213, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 213, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 62.1720, 0.2571, 0.2857 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(162, 213, 250) }
```

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

```
.border{ border-color:rgb(162, 213, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 213, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 213, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 213, 250);  
box-shadow:4px 4px 4px 4px rgb(162, 213,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.1720, 0.2571, 0.2857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 213, 250) }
```

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

```
.background{ background-color: rgb(162,  
213, 250) }
```

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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