

# Converting Colors

$Yxy(58.7261, 0.2559, 0.2772)$

Have a look what the booklet for  
Yxy(58.7261, 0.2559, 0.2772)  
contains.

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# Color

**Yxy(58.7261, 0.2559, 0.2772)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2CEFA
RGB	162, 206, 250
RGB Percent	64%, 81%, 98%
CMY	0.3650, 0.1921, 0.0196
CMYK	0.35, 0.18, 0.00, 0.02
HSL	210°, 90%, 81%
HSV	210°, 35%, 98%
XYZ	54.2136, 58.7261, 98.9149
YIQ	197.8600, -40.3480, 4.3560

# Conversions

## Conversions Part 2

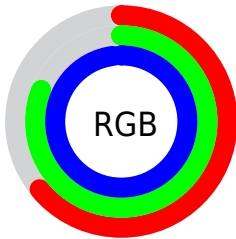
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	162, 191, 250
Decimal	10669818
CIE Lab	81.14, -4.05, -26.22
CIE LCh	81, 26.527, 261.220
Yxy	58.7261, 0.2559, 0.2772
Android (android.graphics.Color)	4288859898 (0xFFA2CEFA)
YUV	197.8600, 25.7050, -31.4492
Hunter-Lab	76.6330, -7.8288, -22.8862

# Details

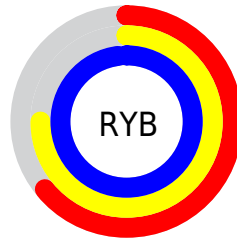
The Yxy color **58.7261, 0.2559, 0.2772** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.0200, 0.3809, 0.3755**, and the grayscale version is **56.2343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **29.4325, 0.2424, 0.2650** is the 20% darker color. If you saturate the color by 10%, you get **50.5932, 0.2396, 0.2593**, and if you desaturate by 10%, it is **67.8611, 0.2724, 0.2938**.

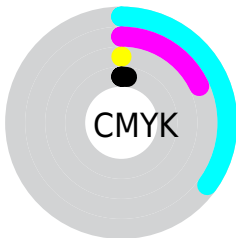
# Distribution



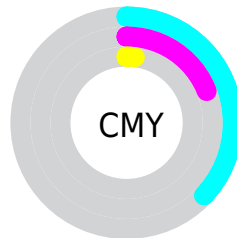
- Red (64%)
- Green (81%)
- Blue (98%)



- Red (64%)
- Yellow (75%)
- Blue (98%)



- Cyan (35%)
- Magenta (18%)
- Yellow (0%)
- Black (2%)



- Cyan (37%)
- Magenta (19%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7261, 0.2559, 0.2772 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 58.7261, 0.2559, 0.2772 by changing the saturation by 10% instead.



■ 58.7261, 0.2559,  
0.2772

■ 58.7261, 0.2559,  
0.2772

419.8861, 0.2826,  
0.3019

■ 42.3927, 0.2497,  
0.2714

■ 102.9795, 0.2652,  
0.2859

■ 29.4089, 0.2421,  
0.2643

■ 131.6682, 0.2688,  
0.2892

■ 19.3904, 0.2324,  
0.2551

165.2442, 0.2719,  
0.2921

■ 11.9527, 0.2198,  
0.2431

204.0917, 0.2746,  
0.2946

■ 6.7115, 0.2027,  
0.2266

248.5953, 0.2770,  
0.2967

■ 3.2823, 0.1786,  
0.2029

299.1393, 0.2791,

■ 1.2808, 0.1427,

0.2987

0.1669

356.1081, 0.2810,  
0.3004

0.1263, 0.0084,  
0.0504

0.0000, 0.0000,  
0.0000

58.7261, 0.2559,  
0.2772

58.7261, 0.2559,  
0.2772

50.5932, 0.2396,  
0.2593

67.8611, 0.2724,  
0.2938

43.4135, 0.2241,  
0.2404

78.0306, 0.2888,  
0.3089

37.1436, 0.2098,  
0.2209

89.2733, 0.3047,  
0.3225

31.7330, 0.1974,  
0.2011

99.6818, 0.3156,  
0.3338

■ 27.1240, 0.1871,  
0.1817

■ 23.2481, 0.1794,  
0.1633

■ 21.6149, 0.1764,  
0.1549

# Harmonies

## Analogous

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



58.7261, 0.2486, 0.2954



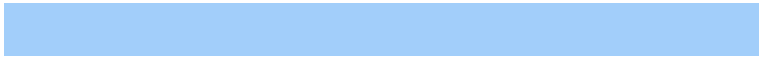
58.7261, 0.2559, 0.2772



58.7261, 0.2777, 0.2730

# Triad

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



58.7261, 0.2559, 0.2772



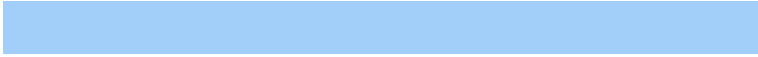
58.7261, 0.3712, 0.3288



58.7261, 0.3125, 0.3828

# Complementary

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



58.7261, 0.2559, 0.2772



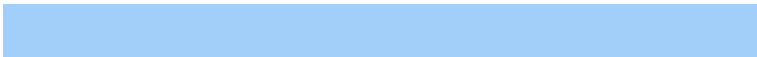
67.0200, 0.3809, 0.3755

# 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.



58.7261, 0.3462, 0.3905



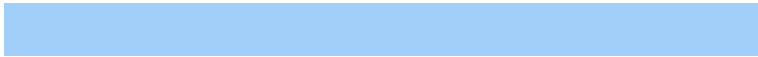
58.7261, 0.2559, 0.2772



58.7261, 0.3813, 0.3570

# Square

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



58.7261, 0.2559, 0.2772



58.7261, 0.3445, 0.3021



58.7261, 0.3717, 0.3800

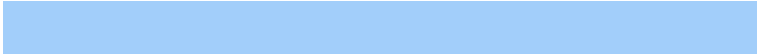


58.7261, 0.2801, 0.3578



# Rectangle

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



58.7261, 0.2559, 0.2772



58.7261, 0.2984, 0.2777



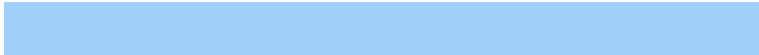
58.7261, 0.3717, 0.3800



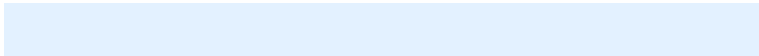
58.7261, 0.3241, 0.3875

# Sweetspot

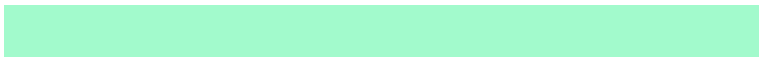
The Sweet Spot groups the original color and five complimentary colors.



58.7284, 0.2559, 0.2772



86.4508, 0.2955, 0.3148



80.4242, 0.2855, 0.3825



18.1672, 0.2934, 0.3129



0.0000, 0.0000, 0.0000

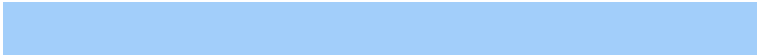


21.4041, 0.3127, 0.3290

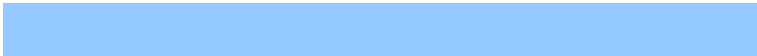


# Same Dimension

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



58.7284, 0.2559, 0.2772



55.5268, 0.2448, 0.2652



40.9077, 0.2487, 0.2246



18.0792, 0.2980, 0.3168



11.7537, 0.1772, 0.1578



1.3006, 0.1832, 0.1793



# Inverse Universe

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



50.5932, 0.3548, 0.2828



46.6504, 0.3664, 0.2738



90.3880, 0.3664, 0.4157



17.3702, 0.3215, 0.3172



11.5974, 0.4959, 0.2506

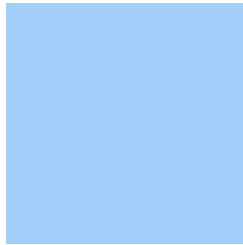


1.0955, 0.4694, 0.2359



# Previews

## White Background



This preview shows how the Yxy color 58.7261, 0.2559, 0.2772 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

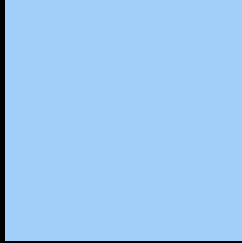
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.7261, 0.2559, 0.2772 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

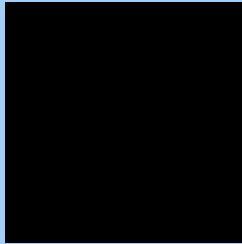
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

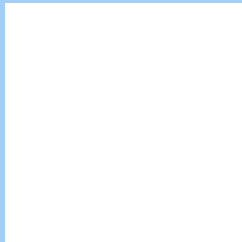
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.7261, 0.2559, 0.2772**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.7261, 0.2559, 0.2772.



This preview shows how white text looks on a background with the Yxy color 58.7261, 0.2559, 0.2772.

# 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

58.7261, 0.2559, 0.2772

### Protanopia

58.5158, 0.2761, 0.2767

### Deuteranopia

58.4301, 0.2737, 0.2675



## Tritanopia

58.7072, 0.2655, 0.3079

# Trichromacy



**Original Color**

58.7261, 0.2559, 0.2772

**Protanomaly**

58.6598, 0.2680, 0.2771

**Deuteranomaly**

58.2187, 0.2667, 0.2707

**Tritanomaly**

58.8682, 0.2621, 0.2973

# Monochromacy



**Original Color**

58.7261, 0.2559, 0.2772

**Achromatopsia**

56.4712, 0.3127, 0.3290

**Achromatomaly**

57.0973, 0.2897, 0.3097

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  58.7261, 0.2559, 0.2772 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, 206, 250)` looks like.

```
.text, #text, p{  
    color:rgb(162, 206, 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, 206, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 206, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 58.7261, 0.2559, 0.2772 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, 206, 250) }
```

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

```
.border{ border-color:rgb(162, 206, 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, 206, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 206, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 206, 250);  
box-shadow:4px 4px 4px 4px rgb(162, 206,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.7261, 0.2559, 0.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 206, 250) }
```

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

```
.background{ background-color: rgb(162,  
206, 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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