

# Converting Colors

$Yxy(60.1853, 0.2618, 0.2795)$

Have a look what the booklet for  
Yxy(60.1853, 0.2618, 0.2795)  
contains.

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# Color

**Yxy(60.1857, 0.2614, 0.2791)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ABCFFA
RGB	171, 207, 250
RGB Percent	67%, 81%, 98%
CMY	0.3292, 0.1883, 0.0196
CMYK	0.32, 0.17, 0.00, 0.02
HSL	213°, 89%, 83%
HSV	213°, 32%, 98%
XYZ	56.3688, 60.1857, 99.0875
YIQ	201.1380, -35.2590, 5.7410

# Conversions

## Conversions Part 2

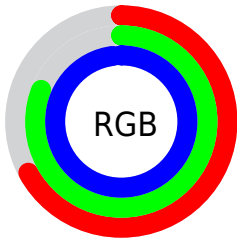
Format	Color
R <sub>Y</sub> B	171, 196, 250
Decimal	11259898
CIE Lab	81.94, -2.07, -24.95
CIE LCh	82, 25.038, 265.266
Yxy	60.1857, 0.2614, 0.2791
Android (android.graphics.Color)	4289449978 (0xFFABCFFA)
YUV	201.1380, 24.0890, -26.4310
Hunter-Lab	77.5794, -6.0668, -21.4219

# Details

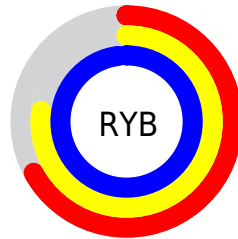
The Yxy color **60.1857, 0.2614, 0.2791** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.3829, 0.3712, 0.3741**, and the grayscale version is **58.3686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **30.3457, 0.2489, 0.2676** is the 20% darker color. If you saturate the color by 10%, you get **51.3246, 0.2445, 0.2600**, and if you desaturate by 10%, it is **70.1516, 0.2782, 0.2967**.

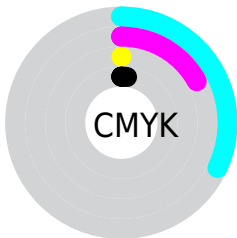
# Distribution



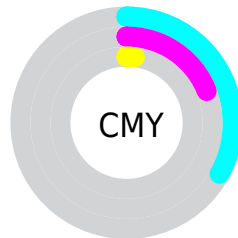
- Red (67%)
- Green (81%)
- Blue (98%)



- Red (67%)
- Yellow (77%)
- Blue (98%)



- Cyan (32%)
- Magenta (17%)
- Yellow (0%)
- Black (2%)



- Cyan (33%)
- Magenta (19%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.1857, 0.2614, 0.2791 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 60.1857, 0.2614, 0.2791 by changing the saturation by 10% instead.



■ 60.1857, 0.2614,  
0.2791

■ 60.1857, 0.2614,  
0.2791

425.2819, 0.2855,  
0.3027

■ 43.5683, 0.2558,  
0.2736

■ 105.0990, 0.2698,  
0.2874

■ 30.3313, 0.2489,  
0.2668

134.1637, 0.2731,  
0.2906

■ 20.0902, 0.2402,  
0.2581

168.1464, 0.2759,  
0.2933

■ 12.4606, 0.2288,  
0.2468

207.4313, 0.2783,  
0.2957

■ 7.0582, 0.2132,  
0.2312

252.4029, 0.2805,  
0.2978

■ 3.4985, 0.1912,  
0.2090

303.4456, 0.2823,

■ 1.3972, 0.1580,

0.2996

0.1751

360.9438, 0.2840,  
0.3012

0.2147, 0.0560,  
0.0782

0.0000, 0.0000,  
0.0000

60.1857, 0.2614,  
0.2791

60.1857, 0.2614,  
0.2791

51.3246, 0.2445,  
0.2600

70.1516, 0.2782,  
0.2967

43.5167, 0.2281,  
0.2396

81.2565, 0.2946,  
0.3126

36.7167, 0.2126,  
0.2184

93.5418, 0.3103,  
0.3269

30.8720, 0.1988,  
0.1969

99.6821, 0.3156,  
0.3338

■ 25.9240, 0.1871,  
0.1757

■ 21.8044, 0.1780,  
0.1557

■ 18.8997, 0.1722,  
0.1400

# Harmonies

## Analogous

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



60.1857, 0.2526, 0.2946



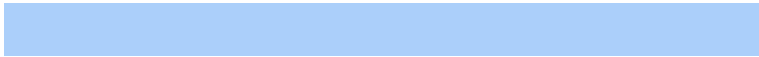
60.1857, 0.2614, 0.2791



60.1857, 0.2836, 0.2768

# Triad

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



60.1857, 0.2614, 0.2791



60.1857, 0.3698, 0.3326



60.1857, 0.3083, 0.3768

# Complementary

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



60.1857, 0.2614, 0.2791



71.3829, 0.3712, 0.3741

# 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.



60.1857, 0.3402, 0.3865



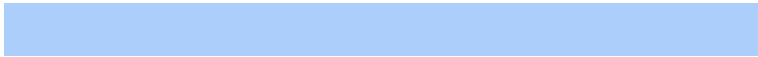
60.1857, 0.2614, 0.2791



60.1857, 0.3767, 0.3588

# Square

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



60.1857, 0.2614, 0.2791



60.1857, 0.3465, 0.3069



60.1857, 0.3656, 0.3790



60.1857, 0.2787, 0.3520



# Rectangle

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



60.1857, 0.2614, 0.2791



60.1857, 0.3037, 0.2823



60.1857, 0.3656, 0.3790



60.1857, 0.3191, 0.3820

# Sweetspot

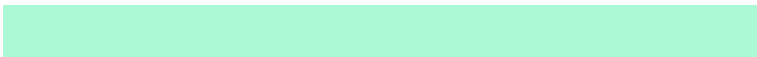
The Sweet Spot groups the original color and five complimentary colors.



60.1881, 0.2614, 0.2791



88.1866, 0.2987, 0.3164



81.8458, 0.2859, 0.3714



18.4872, 0.2964, 0.3143



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

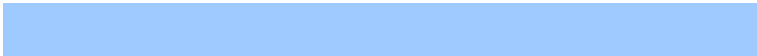


# Same Dimension

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



60.1881, 0.2614, 0.2791



56.8449, 0.2505, 0.2669



45.0052, 0.2580, 0.2359



17.9450, 0.2979, 0.3157



10.3044, 0.1731, 0.1430



1.1633, 0.1793, 0.1656



# Inverse Universe

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



53.9705, 0.3523, 0.2914



50.0227, 0.3636, 0.2834



91.1543, 0.3587, 0.4086



17.3567, 0.3222, 0.3182



11.4511, 0.5152, 0.2612

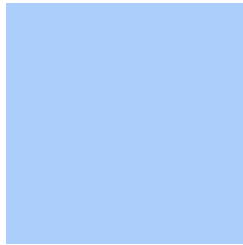


1.0817, 0.4861, 0.2451



# Previews

## White Background



This preview shows how the Yxy color 60.1857, 0.2614, 0.2791 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

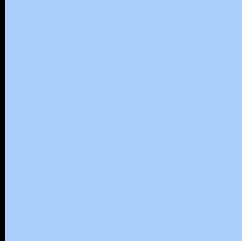
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.1857, 0.2614, 0.2791 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

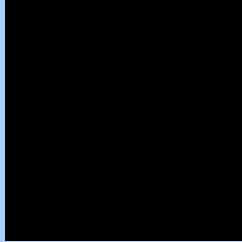
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

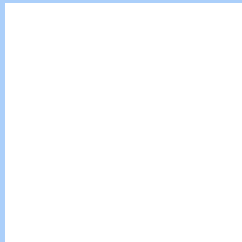
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.1857, 0.2614, 0.2791**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.1857, 0.2614, 0.2791.



This preview shows how white text looks on a background with the Yxy color 60.1857, 0.2614, 0.2791.

# 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

60.1857, 0.2614, 0.2791

### Protanopia

59.7646, 0.2770, 0.2781

### Deuteranopia

59.8809, 0.2766, 0.2702



## Tritanopia

60.2970, 0.2711, 0.3083

# Trichromacy



## Original Color

60.1857, 0.2614, 0.2791

## Protanomaly

59.7416, 0.2713, 0.2787

## Deuteranomaly

59.8975, 0.2708, 0.2737

## Tritanomaly

60.4741, 0.2677, 0.2979

# Monochromacy



## Original Color

60.1857, 0.2614, 0.2791

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

58.7735, 0.2921, 0.3100

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  60.1857, 0.2614, 0.2791 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(171, 207, 250)` looks like.

```
.text, #text, p{  
    color:rgb(171, 207, 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(171, 207, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 207, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 60.1857, 0.2614, 0.2791 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(171, 207, 250) }
```

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

```
.border{ border-color:rgb(171, 207, 250) }
```

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

Here you see how a box with a 4 pixel rgb(171, 207, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 207, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 207, 250);  
box-shadow:4px 4px 4px 4px rgb(171, 207,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.1857, 0.2614, 0.2791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 207, 250) }
```

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

```
.background{ background-color: rgb(171,  
207, 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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