

# Converting Colors

$Y_{xy}(62.1904, 0.2530, 0.2801)$

Have a look what the booklet for  
Yxy(62.1904, 0.2530, 0.2801)  
contains.

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# Color

**Yxy(62.1794, 0.2529, 0.2801)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FD5FF
RGB	159, 213, 255
RGB Percent	62%, 84%, 100%
CMY	0.3766, 0.1647, 0.0000
CMYK	0.38, 0.16, 0.00, 0.00
HSL	206°, 100%, 81%
HSV	206°, 38%, 100%
XYZ	56.1413, 62.1794, 103.6693
YIQ	201.6420, -45.6660, 1.6140

# Conversions

## Conversions Part 2

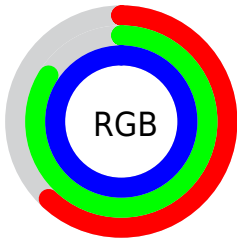
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 194, 255
Decimal	10475007
CIE <sub>Lab</sub>	83.01, -7.24, -26.05
CIE <sub>LCh</sub>	83, 27.039, 254.462
Yxy	62.1794, 0.2529, 0.2801
Android (android.graphics.Color)	4288665087 (0xFF9FD5FF)
YUV	201.6420, 26.3055, -37.3970
Hunter-Lab	78.8539, -10.9085, -22.7509

# Details

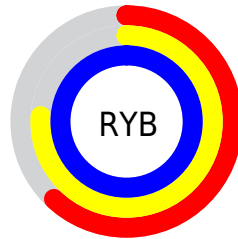
The Yxy color **62.1794, 0.2529, 0.2801** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.5224, 0.3891, 0.3729**, and the grayscale version is **58.6801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **31.4145, 0.2385, 0.2675** is the 20% darker color. If you saturate the color by 10%, you get **54.4182, 0.2375, 0.2644**, and if you desaturate by 10%, it is **70.8659, 0.2689, 0.2948**.

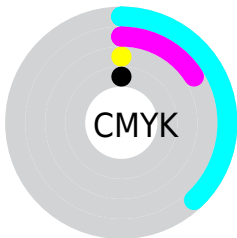
# Distribution



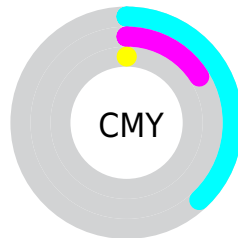
- Red (62%)
- Green (84%)
- Blue (100%)



- Red (62%)
- Yellow (76%)
- Blue (100%)



- Cyan (38%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)




- Cyan (38%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1794, 0.2529, 0.2801 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 62.1794, 0.2529, 0.2801 by changing the saturation by 10% instead.



 62.1794, 0.2529,  
0.2801

 62.1794, 0.2529,  
0.2801


432.5852, 0.2807,  
0.3033

 45.1777, 0.2466,  
0.2747


 107.9848, 0.2625,  
0.2883

 31.5974, 0.2388,  
0.2680


 137.5572, 0.2663,  
0.2914

 21.0542, 0.2290,  
0.2594


172.0887, 0.2695,  
0.2941

 13.1636, 0.2163,  
0.2482

211.9636, 0.2723,  
0.2964

 7.5413, 0.1993,  
0.2329

257.5662, 0.2748,  
0.2985

 3.8029, 0.1757,  
0.2110

309.2812, 0.2770,

 1.5639, 0.1413,

0.3003

0.1778

367.4927, 0.2789,  
0.3019

0.3331, 0.0431,  
0.1027

0.0000, 0.0000,  
0.0000

62.1794, 0.2529,  
0.2801

62.1794, 0.2529,  
0.2801

54.4182, 0.2375,  
0.2644

70.8659, 0.2689,  
0.2948

47.5386, 0.2231,  
0.2478

80.5128, 0.2850,  
0.3083

41.4965, 0.2101,  
0.2306

91.1567, 0.3008,  
0.3205

36.2417, 0.1990,  
0.2133

100.0000, 0.3127,  
0.3290

■ 31.7161, 0.1902,  
0.1963

■ 27.8454, 0.1836,  
0.1799

■ 27.0093, 0.1823,  
0.1762

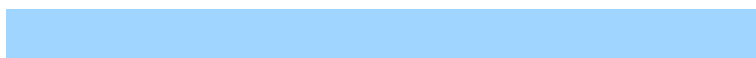
# Harmonies

## Analogous

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



62.1794, 0.2492, 0.3012



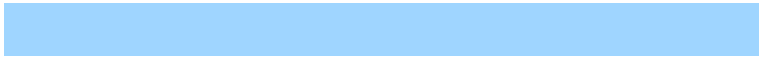
62.1794, 0.2529, 0.2801



62.1794, 0.2717, 0.2727

# Triad

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



62.1794, 0.2529, 0.2801



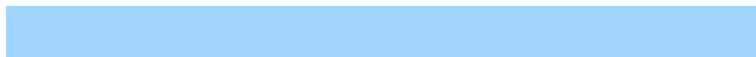
62.1794, 0.3664, 0.3225



62.1794, 0.3204, 0.3862

# Complementary

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



62.1794, 0.2529, 0.2801



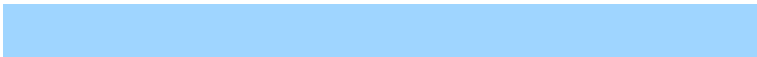
65.5224, 0.3891, 0.3729

# 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.



62.1794, 0.3530, 0.3896



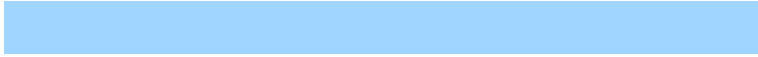
62.1794, 0.2529, 0.2801



62.1794, 0.3808, 0.3508

# Square

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



62.1794, 0.2529, 0.2801



62.1794, 0.3370, 0.2968



62.1794, 0.3755, 0.3756

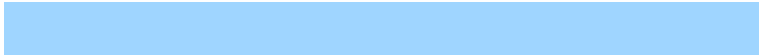


62.1794, 0.2869, 0.3646



# Rectangle

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



62.1794, 0.2529, 0.2801



62.1794, 0.2910, 0.2755



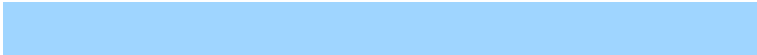
62.1794, 0.3755, 0.3756



62.1794, 0.3318, 0.3895

# Sweetspot

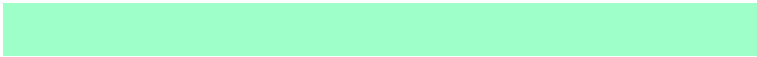
The Sweet Spot groups the original color and five complimentary colors.



62.1803, 0.2529, 0.2801



87.4841, 0.2956, 0.3166



83.0863, 0.2863, 0.3929



18.4135, 0.2934, 0.3149



0.0000, 0.0000, 0.0000

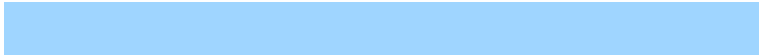


21.4041, 0.3127, 0.3290

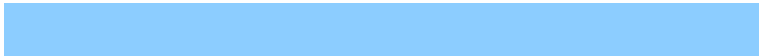


# Same Dimension

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



62.1803, 0.2529, 0.2801



56.3918, 0.2415, 0.2687



41.6359, 0.2443, 0.2218



19.0737, 0.2979, 0.3183



14.4156, 0.1830, 0.1788



1.6212, 0.1882, 0.1974



# Inverse Universe

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



50.8530, 0.3533, 0.2737



44.4882, 0.3645, 0.2631



91.2659, 0.3716, 0.4174



18.1583, 0.3206, 0.3157



12.1832, 0.4699, 0.2362

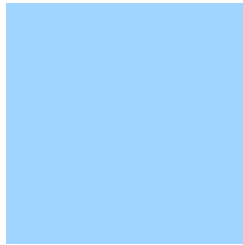


1.2082, 0.4482, 0.2243



# Previews

## White Background



This preview shows how the Yxy color 62.1794, 0.2529, 0.2801 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

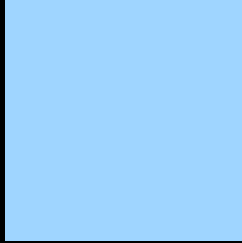
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.1794, 0.2529, 0.2801 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

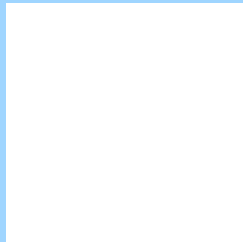
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.1794, 0.2529, 0.2801**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.1794, 0.2529, 0.2801.



This preview shows how white text looks on a background with the Yxy color 62.1794, 0.2529, 0.2801.

# 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

62.1794, 0.2529, 0.2801

### Protanopia

61.7610, 0.2774, 0.2788

### Deuteranopia

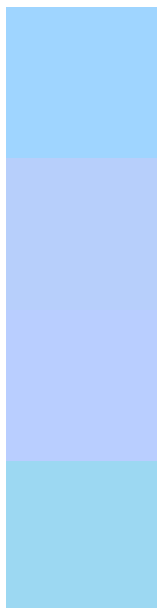
61.7404, 0.2764, 0.2709



## Tritanopia

62.4362, 0.2616, 0.3083

# Trichromacy



## Original Color

62.1794, 0.2529, 0.2801

## Protanomaly

61.6580, 0.2682, 0.2790

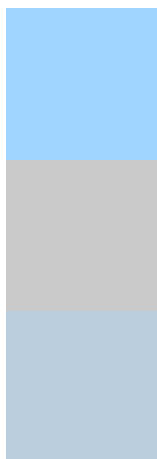
## Deuteranomaly

61.6769, 0.2671, 0.2739

## Tritanomaly

62.5905, 0.2584, 0.2979

# Monochromacy



## Original Color

62.1794, 0.2529, 0.2801

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

59.8022, 0.2881, 0.3111

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.1794, 0.2529, 0.2801 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(159, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 213, 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(159, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 213, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 62.1794, 0.2529, 0.2801 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(159, 213, 255) }
```

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

```
.border{ border-color:rgb(159, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 213,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.1794, 0.2529, 0.2801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 213, 255) }
```

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

```
.background{ background-color: rgb(159,  
213, 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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