

# Converting Colors

$Yxy(61.6499, 0.2585, 0.2889)$

Have a look what the booklet for  
Yxy(61.6499, 0.2585, 0.2889)  
contains.

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# Color

**Yxy(61.8194, 0.2586, 0.2900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1D5F6
RGB	161, 213, 246
RGB Percent	63%, 84%, 96%
CMY	0.3687, 0.1647, 0.0352
CMYK	0.35, 0.13, 0.00, 0.04
HSL	203°, 83%, 80%
HSV	203°, 35%, 96%
XYZ	55.1259, 61.8194, 96.2251
YIQ	201.2140, -41.5850, -0.7610

# Conversions

## Conversions Part 2

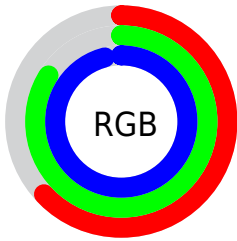
Format	Color
<a href="#">RYB</a>	<a href="#">161, 193, 246</a>
Decimal	<a href="#">10606070</a>
CIELab	<a href="#">82.82, -8.96, -21.55</a>
CIElCh	<a href="#">83, 23.343, 247.421</a>
Yxy	<a href="#">61.8194, 0.2586, 0.2900</a>
Android (android.graphics.Color)	<a href="#">4288796150</a> ( <a href="#">0xFFA1D5F6</a> )
YUV	<a href="#">201.2140, 22.0795, -35.2677</a>
Hunter-Lab	<a href="#">78.6253, -12.4442, -17.5240</a>

# Details

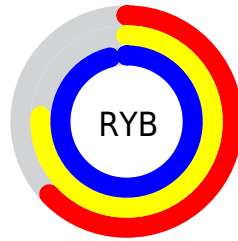
The Yxy color **61.8194, 0.2586, 0.2900** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.7495, 0.3826, 0.3647**, and the grayscale version is **58.4282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **31.2356, 0.2452, 0.2789** is the 20% darker color. If you saturate the color by 10%, you get **54.8485, 0.2435, 0.2764**, and if you desaturate by 10%, it is **69.5808, 0.2742, 0.3026**.

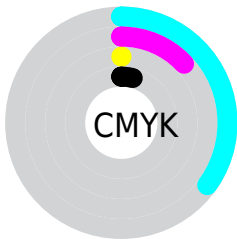
# Distribution



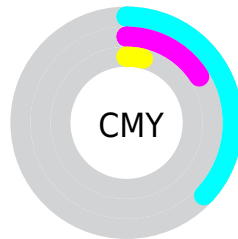
- Red (63%)
- Green (84%)
- Blue (96%)



- Red (63%)
- Yellow (76%)
- Blue (96%)



- Cyan (35%)
- Magenta (13%)
- Yellow (0%)
- Black (4%)



- Cyan (37%)
- Magenta (16%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.8194, 0.2586, 0.2900 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 61.8194, 0.2586, 0.2900 by changing the saturation by 10% instead.



61.8194, 0.2586,  
0.2900

61.8194, 0.2586,  
0.2900

431.2720, 0.2838,  
0.3087

44.8868, 0.2528,  
0.2856

107.4645, 0.2674,  
0.2966

31.3683, 0.2457,  
0.2801

136.9457, 0.2708,  
0.2992

20.8794, 0.2366,  
0.2730

171.3786, 0.2737,  
0.3013

13.0359, 0.2249,  
0.2636

211.1476, 0.2763,  
0.3032

7.4533, 0.2090,  
0.2505

256.6370, 0.2785,  
0.3048

3.7472, 0.1864,  
0.2314

308.2313, 0.2805,

1.5332, 0.1528,

0.3063

0.2013

366.3148, 0.2823,  
0.3076

0.3119, 0.0307,  
0.1232

0.0000, 0.0000,  
0.0000

61.8194, 0.2586,  
0.2900

61.8194, 0.2586,  
0.2900

54.8485, 0.2435,  
0.2764

69.5808, 0.2742,  
0.3026

48.6265, 0.2294,  
0.2621

78.1575, 0.2900,  
0.3141

43.1182, 0.2167,  
0.2472

87.5817, 0.3057,  
0.3246

38.2814, 0.2057,  
0.2320

97.0386, 0.3182,  
0.3340

■ 34.0682, 0.1969,  
0.2168

■ 99.4346, 0.3179,  
0.3376

■ 30.4205, 0.1902,  
0.2020

■ 28.6301, 0.1873,  
0.1941

# Harmonies

## Analogous

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



61.8194, 0.2586, 0.3110



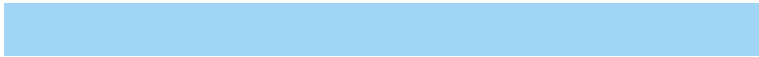
61.8194, 0.2586, 0.2900



61.8194, 0.2722, 0.2804

# Triad

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



61.8194, 0.2586, 0.2900



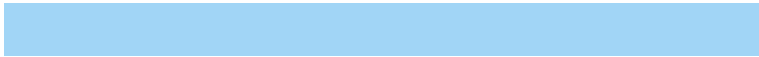
61.8194, 0.3541, 0.3179



61.8194, 0.3266, 0.3803

# Complementary

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



61.8194, 0.2586, 0.2900



60.7495, 0.3826, 0.3647

# 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.



61.8194, 0.3534, 0.3798



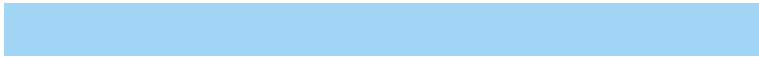
61.8194, 0.2586, 0.2900



61.8194, 0.3700, 0.3426

# Square

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



61.8194, 0.2586, 0.2900



61.8194, 0.3269, 0.2966



61.8194, 0.3696, 0.3653



61.8194, 0.2969, 0.3651



# Rectangle

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



61.8194, 0.2586, 0.2900



61.8194, 0.2877, 0.2808



61.8194, 0.3696, 0.3653



61.8194, 0.3362, 0.3819

# Sweetspot

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



61.8218, 0.2586, 0.2900



89.3261, 0.2972, 0.3190



77.3715, 0.2905, 0.3919



18.8146, 0.2950, 0.3175



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

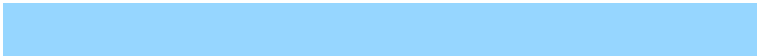


# Same Dimension

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



61.8218, 0.2586, 0.2900



62.0492, 0.2487, 0.2813



43.3214, 0.2516, 0.2376



17.6145, 0.2980, 0.3196



15.5603, 0.1879, 0.1965



1.5667, 0.1930, 0.2148



# Inverse Universe

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



49.8852, 0.3450, 0.2742



48.0928, 0.3533, 0.2638



82.2127, 0.3680, 0.4063



16.6529, 0.3198, 0.3146



11.6702, 0.4493, 0.2249

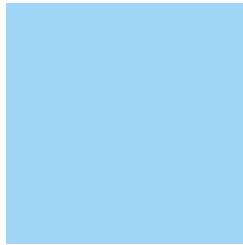


1.0458, 0.4288, 0.2136



# Previews

## White Background



This preview shows how the Yxy color 61.8194, 0.2586, 0.2900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

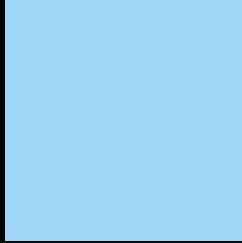
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.8194, 0.2586, 0.2900 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 61.8194, 0.2586, 0.2900**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.8194, 0.2586, 0.2900.



This preview shows how white text looks on a background with the Yxy color 61.8194, 0.2586, 0.2900.

# 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

61.8194, 0.2586, 0.2900

### Protanopia

61.6191, 0.2850, 0.2885

### Deuteranopia

61.4502, 0.2826, 0.2762



## Tritanopia

61.7532, 0.2641, 0.3071

# Trichromacy



**Original Color**

61.8194, 0.2586, 0.2900

**Protanomaly**

61.3507, 0.2746, 0.2888

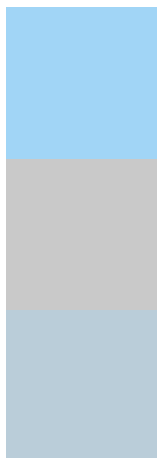
**Deuteranomaly**

61.1313, 0.2729, 0.2803

**Tritanomaly**

61.6371, 0.2619, 0.3001

# Monochromacy



**Original Color**

61.8194, 0.2586, 0.2900

**Achromatopsia**

58.4078, 0.3127, 0.3290

**Achromatomaly**

59.1115, 0.2906, 0.3146

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.8194, 0.2586, 0.2900 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(161, 213, 246)` looks like.

```
.text, #text, p{  
    color:rgb(161, 213, 246)  
}
```

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(161, 213, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 213, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 61.8194, 0.2586, 0.2900 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(161, 213, 246) }
```

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

```
.border{ border-color:rgb(161, 213, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 213, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 213, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 213, 246);  
box-shadow:4px 4px 4px 4px rgb(161, 213,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.8194, 0.2586, 0.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 213, 246) }
```

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

```
.background{ background-color: rgb(161,  
213, 246) }
```

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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