

# Converting Colors

$Yxy(66.3636, 0.2351, 0.2572)$

Have a look what the booklet for  
Yxy(66.3636, 0.2351, 0.2572)  
contains.

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# Color

**Yxy(64.0861, 0.2479, 0.2867)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93DBFF
RGB	147, 219, 255
RGB Percent	58%, 86%, 100%
CMY	0.4234, 0.1412, 0.0001
CMYK	0.42, 0.14, 0.00, 0.00
HSL	200°, 100%, 79%
HSV	200°, 42%, 100%
XYZ	55.4131, 64.0861, 104.0309
YIQ	201.5760, -54.4680, -4.0680

# Conversions

## Conversions Part 2

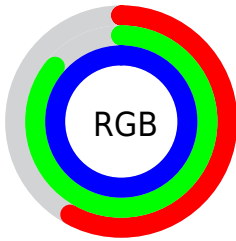
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">147, 190, 255</a>
Decimal	<a href="#">9690111</a>
CIELab	<a href="#">84.01, -13.38, -24.55</a>
CIELCh	<a href="#">84, 27.962, 241.406</a>
Yxy	<a href="#">64.0861, 0.2479, 0.2867</a>
Android (android.graphics.Color)	<a href="#">4287880191 (0xFF93DBFF)</a>
YUV	<a href="#">201.5760, 26.3380, -47.8632</a>
Hunter-Lab	<a href="#">80.0538, -16.5367, -21.0105</a>

# Details

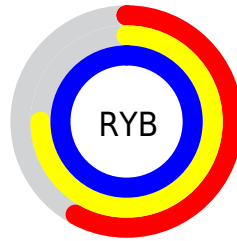
The Yxy color **64.0861, 0.2479, 0.2867** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.2263, 0.4067, 0.3669**, and the grayscale version is **58.6474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **32.8018, 0.2331, 0.2761** is the 20% darker color. If you saturate the color by 10%, you get **57.6659, 0.2342, 0.2746**, and if you desaturate by 10%, it is **71.2598, 0.2626, 0.2981**.

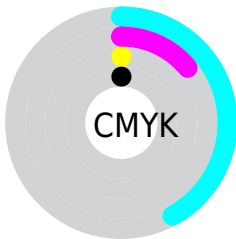
# Distribution



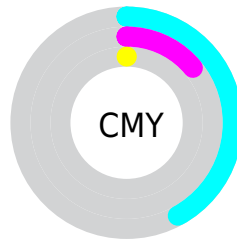
- Red (58%)
- Green (86%)
- Blue (100%)



- Red (58%)
- Yellow (75%)
- Blue (100%)



- Cyan (42%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (42%)
- Magenta (14%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0861, 0.2479, 0.2867 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 64.0861, 0.2479, 0.2867 by changing the saturation by 10% instead.




 64.0861, 0.2479,  
0.2867


 64.0861, 0.2479,  
0.2867


439.5005, 0.2777,  
0.3070

 46.7204, 0.2412,  
0.2819

 110.7349, 0.2582,  
0.2939

 32.8147, 0.2329,  
0.2759


 140.7869, 0.2622,  
0.2966

 21.9845, 0.2226,  
0.2683


175.8363, 0.2657,  
0.2990

 13.8455, 0.2093,  
0.2582

216.2677, 0.2687,  
0.3010

 8.0133, 0.1916,  
0.2443

262.4654, 0.2714,  
0.3028

 4.1035, 0.1672,  
0.2242

314.8139, 0.2737,

 1.7316, 0.1323,

0.3044

0.1932

373.6974, 0.2759,  
0.3058

0.4440, 0.0285,  
0.1328

0.0000, 0.0000,  
0.0000

64.0861, 0.2479,  
0.2867

64.0861, 0.2479,  
0.2867

57.6659, 0.2342,  
0.2746

71.2598, 0.2626,  
0.2981

51.9535, 0.2219,  
0.2621

79.2147, 0.2779,  
0.3086

46.9090, 0.2114,  
0.2492

87.9855, 0.2935,  
0.3183

42.4836, 0.2029,  
0.2362

97.6024, 0.3091,  
0.3271

■ 38.6192, 0.1965,  
0.2235

99.9981, 0.3127,  
0.3290

■ 35.9728, 0.1927,  
0.2139

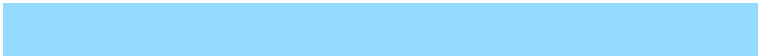
# Harmonies

## Analogous

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



64.0861, 0.2512, 0.3135



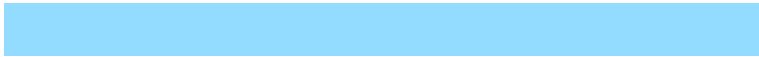
64.0861, 0.2479, 0.2867



64.0861, 0.2607, 0.2729

# Triad

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



64.0861, 0.2479, 0.2867



64.0861, 0.3560, 0.3102



64.0861, 0.3357, 0.3916

# Complementary

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



64.0861, 0.2479, 0.2867



57.2263, 0.4067, 0.3669

# 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.



64.0861, 0.3657, 0.3866



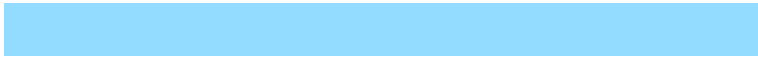
64.0861, 0.2479, 0.2867



64.0861, 0.3784, 0.3387

# Square

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



64.0861, 0.2479, 0.2867



64.0861, 0.3221, 0.2870



64.0861, 0.3818, 0.3665

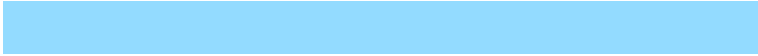


64.0861, 0.3006, 0.3771



# Rectangle

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



64.0861, 0.2479, 0.2867



64.0861, 0.2771, 0.2718



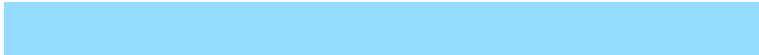
64.0861, 0.3818, 0.3665



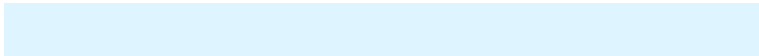
64.0861, 0.3468, 0.3920

# Sweetspot

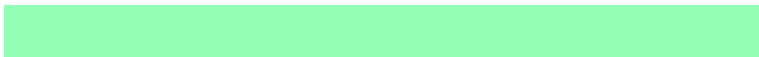
The Sweet Spot groups the original color and five complimentary colors.



64.0886, 0.2479, 0.2867



87.3998, 0.2925, 0.3177



81.0515, 0.2899, 0.4184



18.2800, 0.2890, 0.3156



0.0000, 0.0000, 0.0000

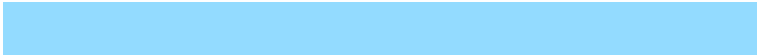


21.4041, 0.3127, 0.3290

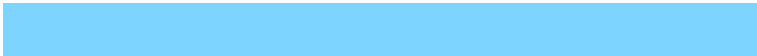


# Same Dimension

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



64.0886, 0.2479, 0.2867



58.4970, 0.2360, 0.2763



40.9939, 0.2371, 0.2215



19.4017, 0.2980, 0.3209



19.0874, 0.1933, 0.2159



2.0596, 0.1973, 0.2303



# Inverse Universe

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



47.2449, 0.3495, 0.2562



40.6513, 0.3600, 0.2423



82.8821, 0.3837, 0.4171



18.1914, 0.3189, 0.3133



12.6548, 0.4276, 0.2129

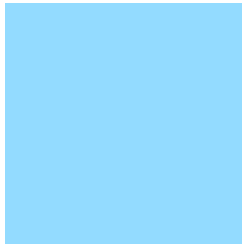


1.2525, 0.4123, 0.2045



# Previews

## White Background



This preview shows how the Yxy color 64.0861, 0.2479, 0.2867 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

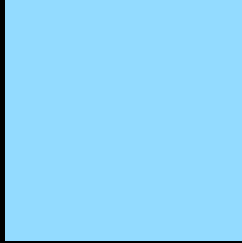
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.0861, 0.2479, 0.2867 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 64.0861, 0.2479, 0.2867**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.0861, 0.2479, 0.2867.

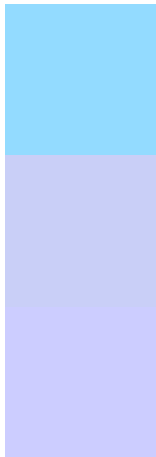


This preview shows how white text looks on a background with the Yxy color 64.0861, 0.2479, 0.2867.

# 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

64.0861, 0.2479, 0.2867

### Protanopia

63.7586, 0.2822, 0.2847

### Deuteranopia

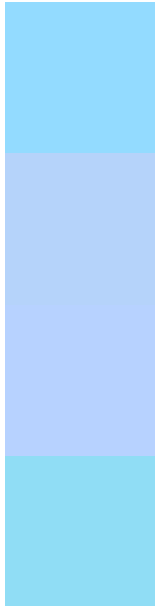
63.7200, 0.2792, 0.2747



## Tritanopia

64.3142, 0.2542, 0.3083

# Trichromacy



**Original Color**

64.0861, 0.2479, 0.2867

**Protanomaly**

63.3144, 0.2680, 0.2846

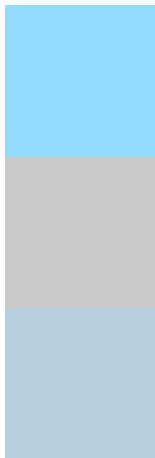
**Deuteranomaly**

63.3805, 0.2663, 0.2784

**Tritanomaly**

64.2348, 0.2516, 0.3001

# Monochromacy



**Original Color**

64.0861, 0.2479, 0.2867

**Achromatopsia**

59.0619, 0.3127, 0.3290

**Achromatomaly**

60.2773, 0.2854, 0.3134

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.0861, 0.2479, 0.2867 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(147, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(147, 219, 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(147, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 219, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 64.0861, 0.2479, 0.2867 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(147, 219, 255) }
```

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

```
.border{ border-color:rgb(147, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 219, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 219, 255); box-shadow:4px 4px 4px 4px rgb(147, 219, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.0861, 0.2479, 0.2867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 219, 255) }
```

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

```
.background{ background-color: rgb(147,  
219, 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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