

# Converting Colors

$Yxy(65.0178, 0.2520, 0.2918)$

Have a look what the booklet for  
Yxy(65.0178, 0.2520, 0.2918)  
contains.

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# Color

**Yxy(64.8901, 0.2520, 0.2914)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98DCFC
RGB	152, 220, 252
RGB Percent	60%, 86%, 99%
CMY	0.4039, 0.1373, 0.0117
CMYK	0.40, 0.13, 0.00, 0.01
HSL	199°, 94%, 79%
HSV	199°, 40%, 99%
XYZ	56.1164, 64.8901, 101.6775
YIQ	203.3160, -50.8000, -4.4640

# Conversions

## Conversions Part 2

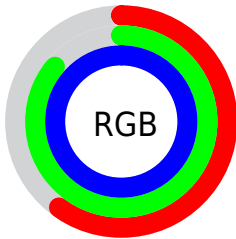
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 192, 252
Decimal	10018044
CIELab	84.43, -13.42, -22.34
CIELCh	84, 26.058, 239.005
Yxy	64.8901, 0.2520, 0.2914
Android (android.graphics.Color)	4288208124 (0xFF98DCFC)
YUV	203.3160, 24.0012, -45.0041
Hunter-Lab	80.5544, -16.6223, -18.4490

# Details

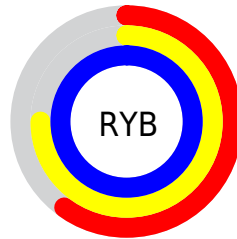
The Yxy color **64.8901, 0.2520, 0.2914** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.2611, 0.3994, 0.3632**, and the grayscale version is **59.8036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **33.3372, 0.2383, 0.2824** is the 20% darker color. If you saturate the color by 10%, you get **58.5796, 0.2382, 0.2800**, and if you desaturate by 10%, it is **71.9267, 0.2668, 0.3021**.

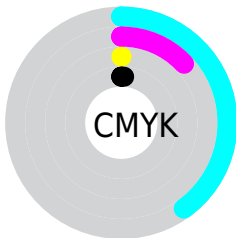
# Distribution



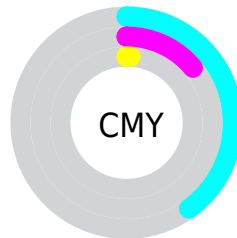
- Red (60%)
- Green (86%)
- Blue (99%)



- Red (60%)
- Yellow (75%)
- Blue (99%)



- Cyan (40%)
- Magenta (13%)
- Yellow (0%)
- Black (1%)



- Cyan (40%)
- Magenta (14%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8901, 0.2520, 0.2914 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 64.8901, 0.2520, 0.2914 by changing the saturation by 10% instead.



64.8901, 0.2520,  
0.2914

64.8901, 0.2520,  
0.2914

442.3969, 0.2800,  
0.3095

47.3720, 0.2457,  
0.2871

111.8918, 0.2617,  
0.2978

33.3298, 0.2379,  
0.2818

142.1442, 0.2654,  
0.3002

22.3792, 0.2282,  
0.2750

177.4102, 0.2687,  
0.3023

14.1358, 0.2156,  
0.2659

218.0741, 0.2715,  
0.3042

8.2152, 0.1989,  
0.2533

264.5203, 0.2740,  
0.3057

4.2329, 0.1757,  
0.2351

317.1333, 0.2762,

1.8047, 0.1420,

0.3071

0.2065

376.2973, 0.2782,  
0.3084

0.4901, 0.0429,  
0.1520

0.0000, 0.0000,  
0.0000

64.8901, 0.2520,  
0.2914

64.8901, 0.2520,  
0.2914

58.5796, 0.2382,  
0.2800

71.9267, 0.2668,  
0.3021

52.9517, 0.2257,  
0.2681

79.7148, 0.2821,  
0.3120

47.9693, 0.2148,  
0.2558

88.2873, 0.2977,  
0.3211

43.5873, 0.2059,  
0.2434

97.6729, 0.3132,  
0.3292

■ 39.7525, 0.1992,  
0.2311

99.8095, 0.3144,  
0.3318

■ 36.3824, 0.1942,  
0.2191

■ 36.2798, 0.1941,  
0.2187

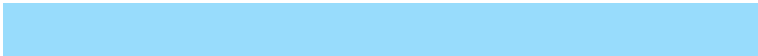
# Harmonies

## Analogous

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



64.8901, 0.2563, 0.3171



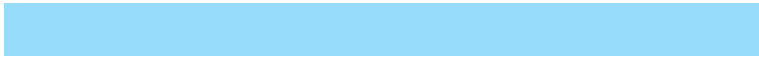
64.8901, 0.2520, 0.2914



64.8901, 0.2628, 0.2774

# Triad

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



64.8901, 0.2520, 0.2914



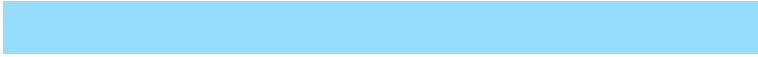
64.8901, 0.3507, 0.3096



64.8901, 0.3367, 0.3872

# Complementary

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



64.8901, 0.2520, 0.2914



57.2611, 0.3994, 0.3632

# 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.



64.8901, 0.3638, 0.3815



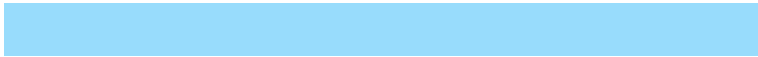
64.8901, 0.2520, 0.2914



64.8901, 0.3725, 0.3360

# Square

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



64.8901, 0.2520, 0.2914



64.8901, 0.3188, 0.2884



64.8901, 0.3773, 0.3622

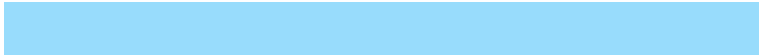


64.8901, 0.3042, 0.3752



# Rectangle

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



64.8901, 0.2520, 0.2914



64.8901, 0.2775, 0.2755



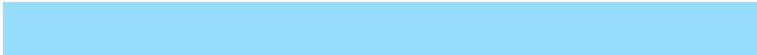
64.8901, 0.3773, 0.3622



64.8901, 0.3468, 0.3872

# Sweetspot

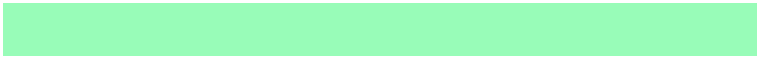
The Sweet Spot groups the original color and five complimentary colors.



64.8926, 0.2520, 0.2914



88.5588, 0.2941, 0.3190



79.7569, 0.2910, 0.4117



18.7043, 0.2920, 0.3179



0.0000, 0.0000, 0.0000

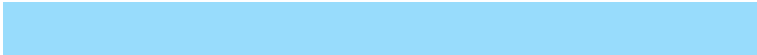


21.4041, 0.3127, 0.3290

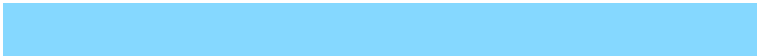


# Same Dimension

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



64.8926, 0.2520, 0.2914



61.1888, 0.2404, 0.2819



42.5864, 0.2424, 0.2296



18.6165, 0.2980, 0.3212



19.1734, 0.1947, 0.2207



1.9672, 0.1987, 0.2352



# Inverse Universe

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



48.3273, 0.3452, 0.2594



42.8738, 0.3546, 0.2455



81.6327, 0.3790, 0.4117



17.4245, 0.3187, 0.3130



12.3465, 0.4225, 0.2101

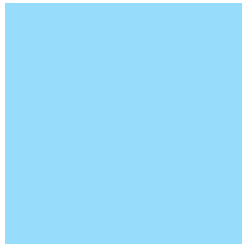


1.1628, 0.4072, 0.2017



# Previews

## White Background



This preview shows how the Yxy color 64.8901, 0.2520, 0.2914 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

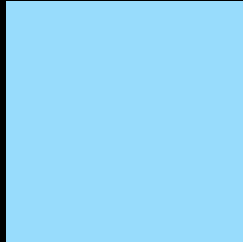
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.8901, 0.2520, 0.2914 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

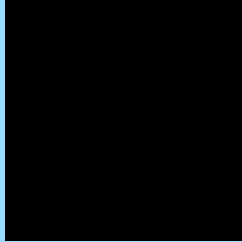
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.8901, 0.2520, 0.2914**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.8901, 0.2520, 0.2914.

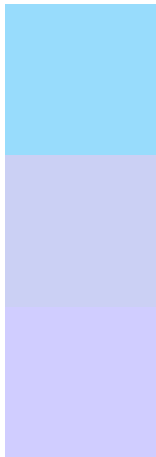


This preview shows how white text looks on a background with the Yxy color 64.8901, 0.2520, 0.2914.

# 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

64.8901, 0.2520, 0.2914

### Protanopia

64.3399, 0.2854, 0.2892

### Deuteranopia

64.2925, 0.2819, 0.2751



## Tritanopia

64.9234, 0.2567, 0.3073

# Trichromacy



**Original Color**

64.8901, 0.2520, 0.2914

**Protanomaly**

63.9927, 0.2716, 0.2892

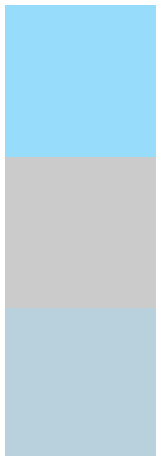
**Deuteranomaly**

63.9403, 0.2699, 0.2799

**Tritanomaly**

64.7286, 0.2551, 0.3015

# Monochromacy



**Original Color**

64.8901, 0.2520, 0.2914

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

61.0117, 0.2869, 0.3147

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.8901, 0.2520, 0.2914 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(152, 220, 252)` looks like.

```
.text, #text, p{  
    color:rgb(152, 220, 252)  
}
```

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(152, 220, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 220, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 64.8901, 0.2520, 0.2914 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(152, 220, 252) }
```

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

```
.border{ border-color:rgb(152, 220, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 220, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 220, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 220, 252);  
box-shadow:4px 4px 4px 4px rgb(152, 220,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.8901, 0.2520, 0.2914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 220, 252) }
```

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

```
.background{ background-color: rgb(152,  
220, 252) }
```

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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