

# Converting Colors

$Yxy(64.3028, 0.2544, 0.2942)$

Have a look what the booklet for  
Yxy(64.3028, 0.2544, 0.2942)  
contains.

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# Color

**Yxy(64.3104, 0.2548, 0.2947)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9ADBFB
RGB	154, 219, 248
RGB Percent	60%, 86%, 97%
CMY	0.3961, 0.1412, 0.0273
CMYK	0.38, 0.12, 0.00, 0.03
HSL	199°, 87%, 79%
HSV	199°, 38%, 97%
XYZ	55.6033, 64.3104, 98.3096
YIQ	202.8710, -48.0490, -4.7610

# Conversions

## Conversions Part 2

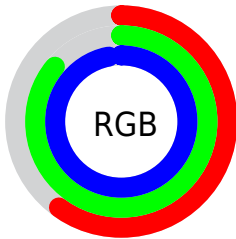
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 192, 248
Decimal	10148856
CIELab	84.13, -13.41, -20.67
CIELCh	84, 24.639, 237.031
Yxy	64.3104, 0.2548, 0.2947
Android (android.graphics.Color)	4288338936 (0xFF9ADB8)
YUV	202.8710, 22.2486, -42.8599
Hunter-Lab	80.1938, -16.5740, -16.5480

# Details

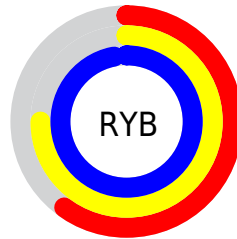
The Yxy color **64.3104, 0.2548, 0.2947** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.1698, 0.3946, 0.3605**, and the grayscale version is **59.5178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **32.9534, 0.2408, 0.2852** is the 20% darker color. If you saturate the color by 10%, you get **58.2222, 0.2409, 0.2839**, and if you desaturate by 10%, it is **71.0901, 0.2696, 0.3049**.

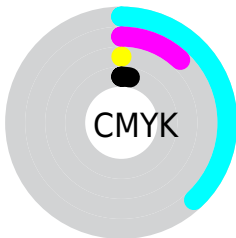
# Distribution



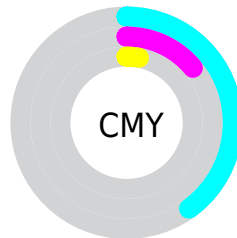
- Red (60%)
- Green (86%)
- Blue (97%)



- Red (60%)
- Yellow (75%)
- Blue (97%)



- Cyan (38%)
- Magenta (12%)
- Yellow (0%)
- Black (3%)



- Cyan (40%)
- Magenta (14%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3104, 0.2548, 0.2947 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 64.3104, 0.2548, 0.2947 by changing the saturation by 10% instead.



64.3104, 0.2548,  
0.2947

64.3104, 0.2548,  
0.2947

440.3097, 0.2816,  
0.3113

46.9021, 0.2487,  
0.2908

111.0578, 0.2641,  
0.3006

32.9583, 0.2413,  
0.2858

141.1658, 0.2677,  
0.3028

22.0945, 0.2319,  
0.2795

176.2758, 0.2708,  
0.3047

13.9263, 0.2197,  
0.2711

216.7722, 0.2735,  
0.3064

8.0695, 0.2034,  
0.2593

263.0393, 0.2759,  
0.3079

4.1394, 0.1806,  
0.2420

315.4617, 0.2780,

1.7519, 0.1471,

0.3091

0.2146

374.4237, 0.2799,  
0.3103

0.4569, 0.0372,  
0.1589

0.0000, 0.0000,  
0.0000

64.3104, 0.2548,  
0.2947

64.3104, 0.2548,  
0.2947

58.2222, 0.2409,  
0.2839

71.0901, 0.2696,  
0.3049

52.7844, 0.2283,  
0.2725

78.5847, 0.2849,  
0.3142

47.9622, 0.2173,  
0.2608

86.8254, 0.3005,  
0.3228

43.7138, 0.2083,  
0.2489

95.8392, 0.3159,  
0.3305

■ 39.9901, 0.2012,  
0.2371

■ 99.5589, 0.3167,  
0.3357

■ 36.7255, 0.1962,  
0.2254

■ 36.0820, 0.1953,  
0.2230

# Harmonies

## Analogous

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



64.3104, 0.2599, 0.3197



64.3104, 0.2548, 0.2947



64.3104, 0.2642, 0.2804

# Triad

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



64.3104, 0.2548, 0.2947



64.3104, 0.3469, 0.3091



64.3104, 0.3375, 0.3842

# Complementary

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



64.3104, 0.2548, 0.2947



56.1698, 0.3946, 0.3605

# 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.



64.3104, 0.3625, 0.3780



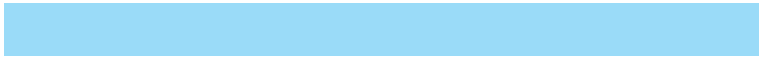
64.3104, 0.2548, 0.2947



64.3104, 0.3685, 0.3341

# Square

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



64.3104, 0.2548, 0.2947



64.3104, 0.3164, 0.2893



64.3104, 0.3742, 0.3591



64.3104, 0.3067, 0.3739



# Rectangle

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



64.3104, 0.2548, 0.2947



64.3104, 0.2777, 0.2780



64.3104, 0.3742, 0.3591



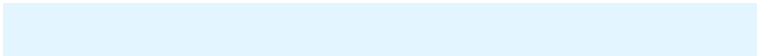
64.3104, 0.3469, 0.3839

# Sweetspot

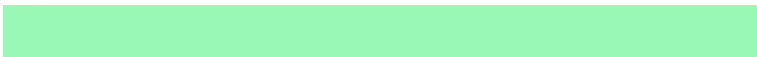
The Sweet Spot groups the original color and five complimentary colors.



64.3129, 0.2548, 0.2947



89.6625, 0.2956, 0.3202



77.4065, 0.2927, 0.4092



18.9335, 0.2935, 0.3191



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

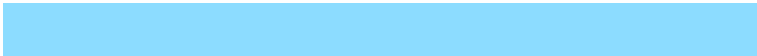


# Same Dimension

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



64.3129, 0.2548, 0.2947



63.7836, 0.2448, 0.2870



43.4602, 0.2462, 0.2369



18.6515, 0.2980, 0.3215



19.7475, 0.1958, 0.2249



2.0171, 0.1997, 0.2388



# Inverse Universe

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



48.1860, 0.3423, 0.2615



45.2344, 0.3499, 0.2492



78.4548, 0.3764, 0.4066



17.4280, 0.3185, 0.3127



12.4044, 0.4181, 0.2077

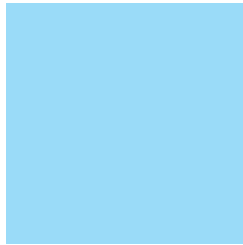


1.1679, 0.4036, 0.1997



# Previews

## White Background



This preview shows how the Yxy color 64.3104, 0.2548, 0.2947 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

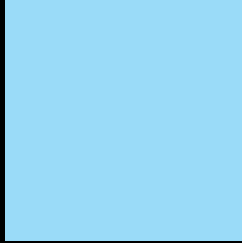
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.3104, 0.2548, 0.2947 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 64.3104, 0.2548, 0.2947**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.3104, 0.2548, 0.2947.

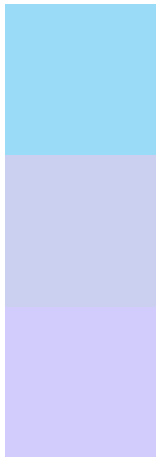


This preview shows how white text looks on a background with the Yxy color 64.3104, 0.2548, 0.2947.

# 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

64.3104, 0.2548, 0.2947

### Protanopia

63.6134, 0.2879, 0.2922

### Deuteranopia

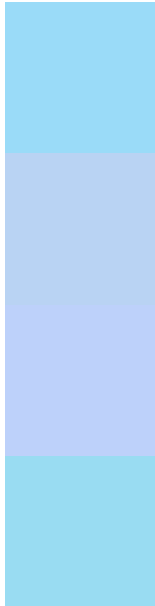
63.7061, 0.2850, 0.2780



## Tritanopia

64.5613, 0.2592, 0.3085

# Trichromacy



**Original Color**

64.3104, 0.2548, 0.2947

**Protanomaly**

63.3739, 0.2744, 0.2924

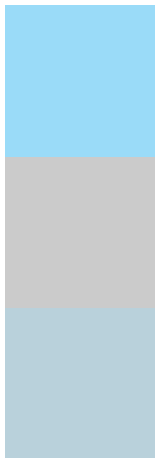
**Deuteranomaly**

63.3219, 0.2727, 0.2829

**Tritanomaly**

64.3695, 0.2575, 0.3027

# Monochromacy



**Original Color**

64.3104, 0.2548, 0.2947

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

61.0297, 0.2888, 0.3171

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.3104, 0.2548, 0.2947 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(154, 219, 248)` looks like.

```
.text, #text, p{  
    color:rgb(154, 219, 248)  
}
```

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(154, 219, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 219, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 64.3104, 0.2548, 0.2947 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(154, 219, 248) }
```

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

```
.border{ border-color:rgb(154, 219, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 219, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 219, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 219, 248);  
box-shadow:4px 4px 4px 4px rgb(154, 219,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.3104, 0.2548, 0.2947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 219, 248) }
```

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

```
.background{ background-color: rgb(154,  
219, 248) }
```

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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