

# Converting Colors

$Yxy(64.1633, 0.2574, 0.2993)$

Have a look what the booklet for  
Yxy(64.1633, 0.2574, 0.2993)  
contains.

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# Color

**Yxy(64.1633, 0.2574, 0.2993)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BDBF4
RGB	155, 219, 244
RGB Percent	61%, 86%, 96%
CMY	0.3919, 0.1412, 0.0433
CMYK	0.36, 0.10, 0.00, 0.04
HSL	197°, 80%, 78%
HSV	197°, 36%, 96%
XYZ	55.1809, 64.1633, 95.0337
YIQ	202.7140, -46.1690, -5.7930

# Conversions

## Conversions Part 2

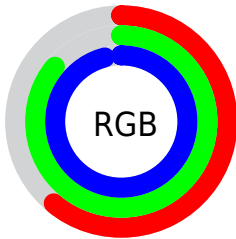
Format	Color
R <sub>YB</sub>	155, 192, 244
Decimal	10214388
CIE Lab	84.05, -14.14, -18.63
CIE LCh	84, 23.390, 232.804
Yxy	64.1633, 0.2574, 0.2993
Android (android.graphics.Color)	4288404468 (0xFF9BDBF4)
YUV	202.7140, 20.3540, -41.8452
Hunter-Lab	80.1020, -17.2130, -14.2708

# Details

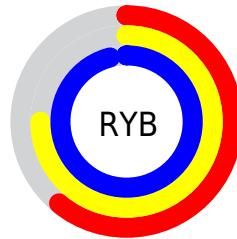
The Yxy color **64.1633, 0.2574, 0.2993** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.2452, 0.3913, 0.3565**, and the grayscale version is **59.4311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **32.8911, 0.2444, 0.2911** is the 20% darker color. If you saturate the color by 10%, you get **58.4888, 0.2437, 0.2896**, and if you desaturate by 10%, it is **70.4776, 0.2721, 0.3084**.

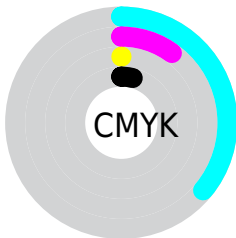
# Distribution



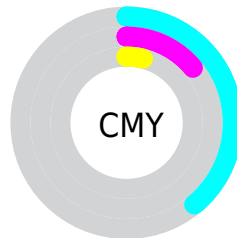
- Red (61%)
- Green (86%)
- Blue (96%)



- Red (61%)
- Yellow (75%)
- Blue (96%)



- Cyan (36%)
- Magenta (10%)
- Yellow (0%)
- Black (4%)



- Cyan (39%)
- Magenta (14%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1633, 0.2574, 0.2993 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 64.1633, 0.2574, 0.2993 by changing the saturation by 10% instead.



64.1633, 0.2574,  
0.2993

64.1633, 0.2574,  
0.2993

439.7791, 0.2830,  
0.3137

46.7830, 0.2516,  
0.2959

110.8461, 0.2663,  
0.3044

32.8641, 0.2444,  
0.2915

140.9173, 0.2697,  
0.3064

22.0224, 0.2353,  
0.2859

175.9876, 0.2727,  
0.3081

13.8733, 0.2236,  
0.2784

216.4414, 0.2753,  
0.3095

8.0326, 0.2078,  
0.2679

262.6630, 0.2776,  
0.3108

4.1158, 0.1855,  
0.2522

315.0369, 0.2796,

1.7386, 0.1524,

0.3119

373.9475, 0.2814,  
0.3129

0.2268

0.4484, 0.0314,  
0.1739

0.0000, 0.0000,  
0.0000

64.1633, 0.2574,  
0.2993

64.1633, 0.2574,  
0.2993

58.4888, 0.2437,  
0.2896

70.4776, 0.2721,  
0.3084

53.4153, 0.2312,  
0.2794

77.4529, 0.2873,  
0.3168

48.9107, 0.2204,  
0.2689

85.1184, 0.3027,  
0.3245

44.9362, 0.2115,  
0.2582

93.4994, 0.3182,  
0.3314

■ 41.4465, 0.2045,  
0.2475

■ 98.1976, 0.3192,  
0.3379

■ 38.3855, 0.1996,  
0.2370

■ 99.3094, 0.3191,  
0.3396

■ 37.3692, 0.1981,  
0.2333

# Harmonies

## Analogous

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



64.1633, 0.2642, 0.3242



64.1633, 0.2574, 0.2993



64.1633, 0.2645, 0.2840

# Triad

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



64.1633, 0.2574, 0.2993



64.1633, 0.3415, 0.3070



64.1633, 0.3402, 0.3815

# Complementary

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



64.1633, 0.2574, 0.2993



54.2452, 0.3913, 0.3565

# 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.



64.1633, 0.3625, 0.3737



64.1633, 0.2574, 0.2993



64.1633, 0.3636, 0.3304

# Square

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



64.1633, 0.2574, 0.2993



64.1633, 0.3120, 0.2892



64.1633, 0.3713, 0.3546



64.1633, 0.3112, 0.3738



# Rectangle

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



64.1633, 0.2574, 0.2993



64.1633, 0.2763, 0.2805



64.1633, 0.3713, 0.3546



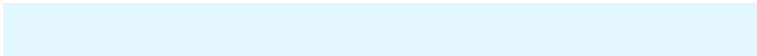
64.1633, 0.3488, 0.3805

# Sweetspot

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



64.1658, 0.2574, 0.2993



90.1401, 0.2956, 0.3210



74.8982, 0.2950, 0.4093



19.0477, 0.2935, 0.3200



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

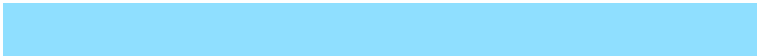


# Same Dimension

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



64.1658, 0.2574, 0.2993



66.0824, 0.2468, 0.2919



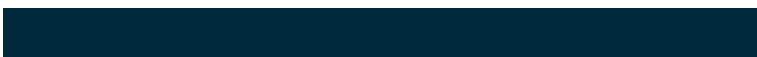
44.4758, 0.2497, 0.2450



17.9252, 0.2980, 0.3222



20.5690, 0.1986, 0.2349



1.9810, 0.2023, 0.2481



# Inverse Universe

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



47.8019, 0.3385, 0.2618



46.1994, 0.3458, 0.2480



74.4867, 0.3748, 0.4007



16.6843, 0.3181, 0.3121



12.1758, 0.4075, 0.2018

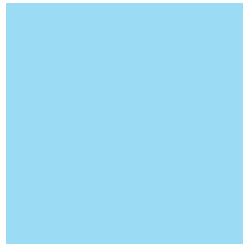


1.0876, 0.3941, 0.1945



# Previews

## White Background



This preview shows how the Yxy color 64.1633, 0.2574, 0.2993 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

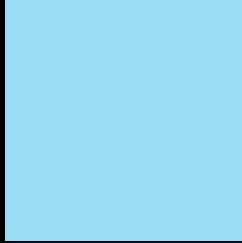
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.1633, 0.2574, 0.2993 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 64.1633, 0.2574, 0.2993**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.1633, 0.2574, 0.2993.

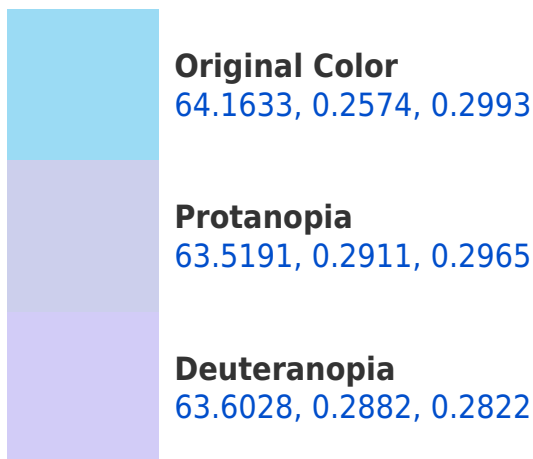


This preview shows how white text looks on a background with the Yxy color 64.1633, 0.2574, 0.2993.

# 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





## Tritanopia

64.1318, 0.2595, 0.3073

# Trichromacy



**Original Color**

64.1633, 0.2574, 0.2993

**Protanomaly**

63.2596, 0.2774, 0.2968

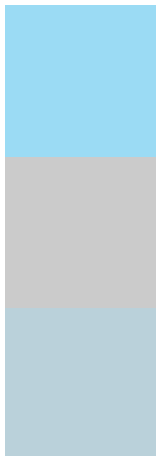
**Deuteranomaly**

63.2019, 0.2757, 0.2872

**Tritanomaly**

64.3477, 0.2590, 0.3050

# Monochromacy



**Original Color**

64.1633, 0.2574, 0.2993

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

61.1020, 0.2901, 0.3182

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.1633, 0.2574, 0.2993 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(155, 219, 244)` looks like.

```
.text, #text, p{  
    color:rgb(155, 219, 244)  
}
```

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(155, 219, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 219, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 64.1633, 0.2574, 0.2993 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(155, 219, 244) }
```

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

```
.border{ border-color:rgb(155, 219, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 219, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 219, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 219, 244);  
box-shadow:4px 4px 4px 4px rgb(155, 219,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.1633, 0.2574, 0.2993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 219, 244) }
```

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

```
.background{ background-color: rgb(155,  
219, 244) }
```

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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