

# Converting Colors

$Y_{xy}(64.7392, 0.2576, 0.3050)$

Have a look what the booklet for  
Yxy(64.7392, 0.2576, 0.3050)  
contains.

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# Color

**Yxy(64.7392, 0.2576, 0.3050)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98DDF1
RGB	152, 221, 241
RGB Percent	60%, 87%, 95%
CMY	0.4041, 0.1333, 0.0549
CMYK	0.37, 0.08, 0.00, 0.05
HSL	193°, 76%, 77%
HSV	193°, 37%, 95%
XYZ	54.6781, 64.7392, 92.8424
YIQ	202.6490, -47.5440, -8.4080

# Conversions

## Conversions Part 2

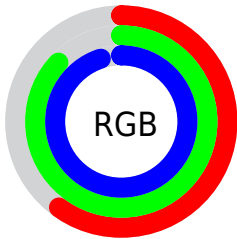
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 191, 241
Decimal	10018289
CIELab	84.35, -16.70, -16.64
CIELCh	84, 23.571, 224.896
Yxy	64.7392, 0.2576, 0.3050
Android (android.graphics.Color)	4288208369 (0xFF98DDF1)
YUV	202.6490, 18.9070, -44.4192
Hunter-Lab	80.4607, -19.5042, -12.0914

# Details

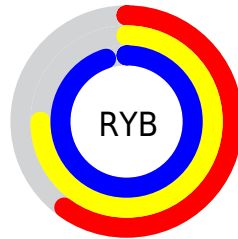
The Yxy color **64.7392, 0.2576, 0.3050** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.4604, 0.3948, 0.3514**, and the grayscale version is **59.3879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **33.3166, 0.2450, 0.2987** is the 20% darker color. If you saturate the color by 10%, you get **59.8354, 0.2446, 0.2973**, and if you desaturate by 10%, it is **70.2127, 0.2717, 0.3122**.

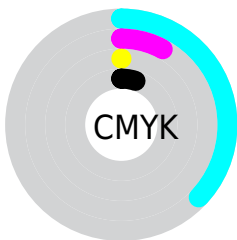
# Distribution



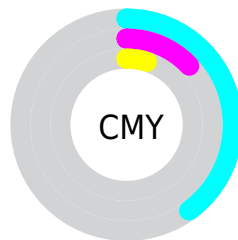
- Red (60%)
- Green (87%)
- Blue (95%)



- Red (60%)
- Yellow (75%)
- Blue (95%)



- Cyan (37%)
- Magenta (8%)
- Yellow (0%)
- Black (5%)




- Cyan (40%)
- Magenta (13%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7392, 0.2576, 0.3050 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 64.7392, 0.2576, 0.3050 by changing the saturation by 10% instead.




 64.7392, 0.2576,  
0.3050


 64.7392, 0.2576,  
0.3050


441.8542, 0.2831,  
0.3168

 47.2496, 0.2518,  
0.3021


 111.6748, 0.2664,  
0.3092

 33.2330, 0.2447,  
0.2985


 141.8897, 0.2699,  
0.3108

 22.3050, 0.2357,  
0.2939


177.1151, 0.2728,  
0.3122

 14.0812, 0.2240,  
0.2875

217.7354, 0.2754,  
0.3134

 8.1772, 0.2082,  
0.2786

264.1351, 0.2777,  
0.3144

 4.2085, 0.1861,  
0.2650

316.6985, 0.2797,

 1.7909, 0.1530,

0.3153

375.8101, 0.2815,  
0.3161

0.2425

0.4815, 0.0207,  
0.1994

0.0000, 0.0000,  
0.0000

64.7392, 0.2576,  
0.3050

64.7392, 0.2576,  
0.3050

59.8354, 0.2446,  
0.2973

70.2127, 0.2717,  
0.3122

55.4639, 0.2329,  
0.2893

76.2756, 0.2866,  
0.3189

51.5946, 0.2230,  
0.2811

82.9555, 0.3020,  
0.3251

48.1904, 0.2150,  
0.2727

90.2761, 0.3174,  
0.3306

■ 45.2078, 0.2090,  
0.2643

■ 94.7949, 0.3214,  
0.3359

■ 42.5917, 0.2048,  
0.2561

■ 98.1735, 0.3210,  
0.3410

■ 41.8399, 0.2038,  
0.2536

■ 99.1317, 0.3208,  
0.3424

# Harmonies

## Analogous

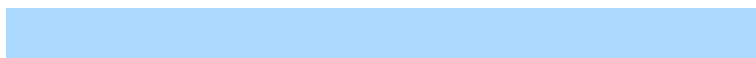
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.7392, 0.2680, 0.3316



64.7392, 0.2576, 0.3050



64.7392, 0.2611, 0.2867

# Triad

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



64.7392, 0.2576, 0.3050



64.7392, 0.3341, 0.3014



64.7392, 0.3472, 0.3811

# Complementary

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



64.7392, 0.2576, 0.3050



50.4604, 0.3948, 0.3514

# 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.



64.7392, 0.3666, 0.3697



64.7392, 0.2576, 0.3050



64.7392, 0.3591, 0.3239

# Square

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



64.7392, 0.2576, 0.3050



64.7392, 0.3041, 0.2857



64.7392, 0.3712, 0.3486



64.7392, 0.3191, 0.3776



# Rectangle

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



64.7392, 0.2576, 0.3050



64.7392, 0.2708, 0.2810



64.7392, 0.3712, 0.3486



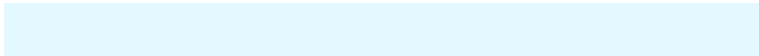
64.7392, 0.3550, 0.3788

# Sweetspot

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



64.7417, 0.2576, 0.3050



91.1084, 0.2957, 0.3226



72.5402, 0.2971, 0.4163



19.2795, 0.2936, 0.3218



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

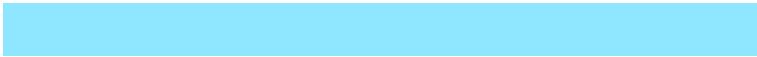


# Same Dimension

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



64.7417, 0.2576, 0.3050



69.5228, 0.2481, 0.2995



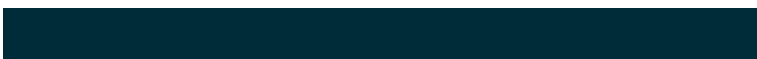
44.5440, 0.2496, 0.2494



17.2915, 0.2981, 0.3236



22.8971, 0.2042, 0.2549



2.0507, 0.2072, 0.2658



# Inverse Universe

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



46.3682, 0.3344, 0.2560



46.5467, 0.3399, 0.2423



69.9689, 0.3773, 0.3973



15.9671, 0.3172, 0.3109



12.1048, 0.3873, 0.1907

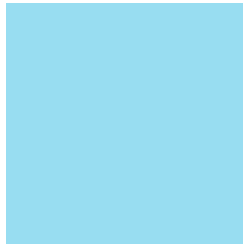


1.0217, 0.3768, 0.1849



# Previews

## White Background



This preview shows how the Yxy color 64.7392, 0.2576, 0.3050 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

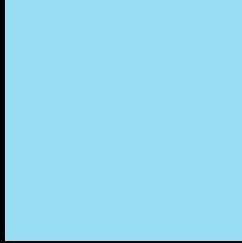
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.7392, 0.2576, 0.3050 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 64.7392, 0.2576, 0.3050**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.7392, 0.2576, 0.3050.



This preview shows how white text looks on a background with the Yxy color 64.7392, 0.2576, 0.3050.

# 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

64.7392, 0.2576, 0.3050

### Protanopia

64.2603, 0.2952, 0.3011

### Deuteranopia

64.3404, 0.2922, 0.2866



## Tritanopia

64.5242, 0.2581, 0.3073

# Trichromacy



**Original Color**

64.7392, 0.2576, 0.3050

**Protanomaly**

64.2094, 0.2800, 0.3025

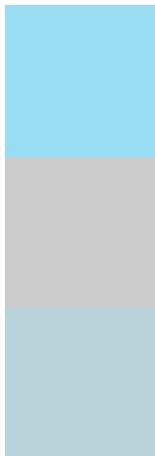
**Deuteranomaly**

64.1360, 0.2783, 0.2928

**Tritanomaly**

64.5835, 0.2576, 0.3061

# Monochromacy



**Original Color**

64.7392, 0.2576, 0.3050

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

61.2933, 0.2894, 0.3206

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.7392, 0.2576, 0.3050 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, 221, 241)` looks like.

```
.text, #text, p{  
    color:rgb(152, 221, 241)  
}
```

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, 221, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 221, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 64.7392, 0.2576, 0.3050 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, 221, 241) }
```

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

```
.border{ border-color:rgb(152, 221, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 221, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 221, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 221, 241);  
box-shadow:4px 4px 4px 4px rgb(152, 221,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.7392, 0.2576, 0.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 221, 241) }
```

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

```
.background{ background-color: rgb(152,  
221, 241) }
```

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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