

# Converting Colors

$Y_{xy}(47.9245, 0.2660, 0.3023)$

Have a look what the booklet for  
Yxy(47.9245, 0.2660, 0.3023)  
contains.

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# Color

**Yxy(48.0757, 0.2657, 0.3024)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92BFD3
RGB	146, 191, 211
RGB Percent	57%, 75%, 83%
CMY	0.4274, 0.2510, 0.1726
CMYK	0.31, 0.09, 0.00, 0.17
HSL	198°, 42%, 70%
HSV	198°, 31%, 83%
XYZ	42.2411, 48.0757, 68.6637
YIQ	179.8250, -33.2400, -3.3200

# Conversions

## Conversions Part 2

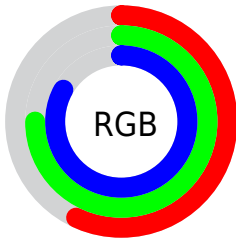
Format	Color
<b>RYB</b>	146, 173, 211
Decimal	9617363
CIELab	74.87, -10.13, -14.83
CIELCh	75, 17.959, 235.674
Yxy	48.0757, 0.2657, 0.3024
Android (android.graphics.Color)	4287807443 (0xFF92BFD3)
YUV	179.8250, 15.3693, -29.6645
Hunter-Lab	69.3366, -12.5937, -10.1789

# Details

The Yxy color  $48.0757, 0.2657, 0.3024$  is a light color, and the websafe version is hex  $99CCCC$ . A complement of this color would be  $43.1863, 0.3744, 0.3540$ , and the grayscale version is  $45.4738, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.1590, 0.2805, 0.3205$ , and  $22.9044, 0.2534, 0.2961$  is the 20% darker color. If you saturate the color by 10%, you get  $43.5526, 0.2513, 0.2922$ , and if you desaturate by 10%, it is  $53.0847, 0.2808, 0.3119$ .

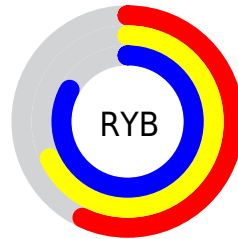
# Distribution



Red (57%)

Green (75%)

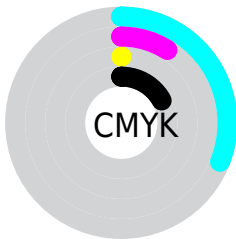
Blue (83%)



Red (57%)

Yellow (68%)

Blue (83%)

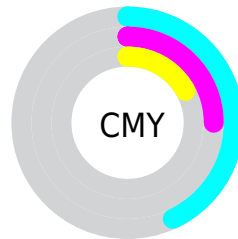


Cyan (31%)

Magenta (9%)

Yellow (0%)

Black (17%)



Cyan (43%)

Magenta (25%)

Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0757, 0.2657, 0.3024 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 48.0757, 0.2657, 0.3024 by changing the saturation by 10% instead.



■ 48.0757, 0.2657,  
0.3024

■ 48.0757, 0.2657,  
0.3024

■ 379.0921, 0.2887,  
0.3159

■ 33.8868, 0.2601,  
0.2990

■ 87.3171, 0.2739,  
0.3073

■ 22.8067, 0.2531,  
0.2946

■ 113.1384, 0.2771,  
0.3092

■ 14.4508, 0.2439,  
0.2887

■ 143.6060, 0.2797,  
0.3107

■ 8.4349, 0.2314,  
0.2805

■ 179.1043, 0.2820,  
0.3121

■ 4.3745, 0.2135,  
0.2683

■ 220.0177, 0.2840,  
0.3132

■ 1.8852, 0.1862,  
0.2484

■ 266.7305, 0.2858,

■ 0.5394, 0.1025,

0.3142

0.2082

319.6272, 0.2873,  
0.3151

0.0000, 0.0000,  
0.0000

48.0757, 0.2657,  
0.3024

48.0757, 0.2657,  
0.3024

43.5526, 0.2513,  
0.2922

53.0847, 0.2808,  
0.3119

39.4883, 0.2378,  
0.2814

58.5935, 0.2961,  
0.3205

35.8617, 0.2257,  
0.2701

64.6226, 0.3115,  
0.3284

32.6470, 0.2152,  
0.2585

71.1893, 0.3266,  
0.3355

29.8150, 0.2067,  
0.2467

78.3101, 0.3414,  
0.3418

■ 27.3313, 0.2002,  
0.2351

■ 82.5093, 0.3429,  
0.3481

■ 25.2970, 0.1957,  
0.2245

■ 86.1847, 0.3418,  
0.3544

■ 89.9958, 0.3407,  
0.3607

■ 93.9440, 0.3397,  
0.3668

# Harmonies

## Analogous

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



48.0757, 0.2704, 0.3229



48.0757, 0.2657, 0.3024



48.0757, 0.2729, 0.2901

# Triad

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



48.0757, 0.2657, 0.3024



48.0757, 0.3392, 0.3121



48.0757, 0.3339, 0.3731

# Complementary

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



48.0757, 0.2657, 0.3024



43.1863, 0.3744, 0.3540

# 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.



48.0757, 0.3535, 0.3681



48.0757, 0.2657, 0.3024



48.0757, 0.3568, 0.3325

# Square

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



48.0757, 0.2657, 0.3024



48.0757, 0.3147, 0.2962



48.0757, 0.3621, 0.3528



48.0757, 0.3092, 0.3653



# Rectangle

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



48.0757, 0.2657, 0.3024



48.0757, 0.2837, 0.2876



48.0757, 0.3621, 0.3528



48.0757, 0.3414, 0.3728

# Sweetspot

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



48.0776, 0.2657, 0.3024



91.4853, 0.2987, 0.3219



55.4228, 0.2962, 0.3911



19.3005, 0.2965, 0.3207



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

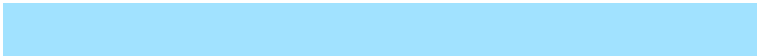


# Same Dimension

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



48.0776, 0.2657, 0.3024



69.1518, 0.2561, 0.2957



35.6115, 0.2605, 0.2577



12.7682, 0.2983, 0.3217



15.4597, 0.1962, 0.2262



1.0015, 0.2020, 0.2473



# Inverse Universe

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



38.1681, 0.3350, 0.2748



52.1184, 0.3413, 0.2629



56.3007, 0.3631, 0.3914



11.9446, 0.3184, 0.3130



9.6319, 0.4166, 0.2069



0.5524, 0.3949, 0.1949



# Previews

## White Background



This preview shows how the Yxy color 48.0757, 0.2657, 0.3024 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

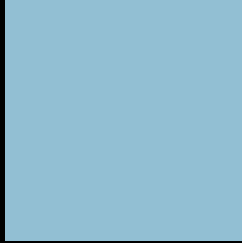
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.0757, 0.2657, 0.3024 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

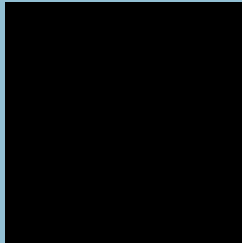
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

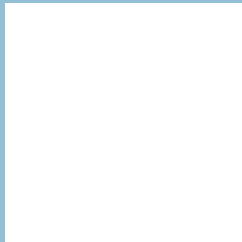
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.0757, 0.2657, 0.3024**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.0757, 0.2657, 0.3024.



This preview shows how white text looks on a background with the Yxy color 48.0757, 0.2657, 0.3024.

# 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

48.0757, 0.2657, 0.3024

### Protanopia

47.6874, 0.2944, 0.2999

### Deuteranopia

47.6091, 0.2932, 0.2871



## Tritanopia

48.2240, 0.2676, 0.3088

# Trichromacy



## Original Color

48.0757, 0.2657, 0.3024

## Protanomaly

47.5277, 0.2831, 0.3006

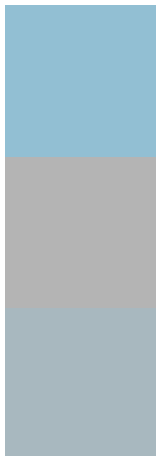
## Deuteranomaly

47.3911, 0.2825, 0.2921

## Tritanomaly

48.2731, 0.2670, 0.3075

# Monochromacy



## Original Color

48.0757, 0.2657, 0.3024

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

46.3674, 0.2943, 0.3197

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.0757, 0.2657, 0.3024 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(146, 191, 211)` looks like.

```
.text, #text, p{  
    color:rgb(146, 191, 211)  
}
```

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(146, 191, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 191, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0757, 0.2657, 0.3024 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(146, 191, 211) }
```

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

```
.border{ border-color:rgb(146, 191, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 191, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 191, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 191, 211);  
box-shadow:4px 4px 4px 4px rgb(146, 191,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.0757, 0.2657, 0.3024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 191, 211) }
```

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

```
.background{ background-color: rgb(146,  
191, 211) }
```

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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