

# Converting Colors

$Yxy(63.1957, 0.2644, 0.3227)$

Have a look what the booklet for  
Yxy(63.1957, 0.2644, 0.3227)  
contains.

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# Color

**Yxy(63.1067, 0.2647, 0.3227)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96DCE1
RGB	150, 220, 225
RGB Percent	59%, 86%, 88%
CMY	0.4117, 0.1373, 0.1176
CMYK	0.33, 0.02, 0.00, 0.12
HSL	184°, 56%, 74%
HSV	184°, 33%, 88%
XYZ	51.7643, 63.1067, 80.6874
YIQ	199.6400, -43.3250, -13.2850

# Conversions

## Conversions Part 2

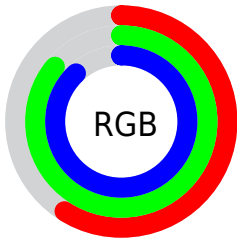
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 186, 225
Decimal	9886945
CIELab	83.50, -20.55, -9.44
CIELCh	83, 22.616, 204.663
Yxy	63.1067, 0.2647, 0.3227
Android (android.graphics.Color)	4288077025 (0xFF96DCE1)
YUV	199.6400, 12.5025, -43.5343
Hunter-Lab	79.4397, -22.7058, -4.6134

# Details

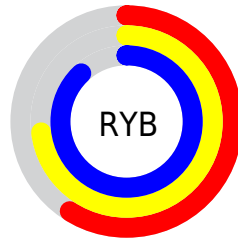
The Yxy color **63.1067, 0.2647, 0.3227** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.6618, 0.3884, 0.3352**, and the grayscale version is **57.4718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **32.2454, 0.2528, 0.3206** is the 20% darker color. If you saturate the color by 10%, you get **60.3908, 0.2528, 0.3206**, and if you desaturate by 10%, it is **66.2445, 0.2780, 0.3247**.

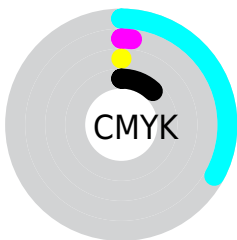
# Distribution



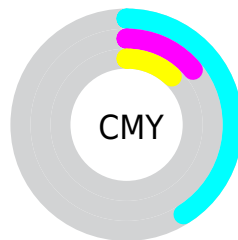
- Red (59%)
- Green (86%)
- Blue (88%)



- Red (59%)
- Yellow (73%)
- Blue (88%)



- Cyan (33%)
- Magenta (2%)
- Yellow (0%)
- Black (12%)




- Cyan (41%)
- Magenta (14%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.1067, 0.2647, 0.3227 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 63.1067, 0.2647, 0.3227 by changing the saturation by 10% instead.




 63.1067, 0.2647,  
0.3227


 63.1067, 0.2647,  
0.3227


435.9566, 0.2871,  
0.3261

 45.9275, 0.2595,  
0.3218

 109.3234, 0.2725,  
0.3240

 32.1886, 0.2531,  
0.3206


 139.1298, 0.2756,  
0.3245

 21.5056, 0.2450,  
0.3190


173.9140, 0.2782,  
0.3248

 13.4941, 0.2343,  
0.3167

214.0604, 0.2804,  
0.3252

 7.7697, 0.2197,  
0.3132

259.9535, 0.2824,  
0.3255

 3.9479, 0.1986,  
0.3074

311.9777, 0.2842,

 1.6445, 0.1660,

0.3257

0.2963

370.5172, 0.2857,  
0.3259

0.3873, 0.0000,  
0.2628

0.0000, 0.0000,  
0.0000

63.1067, 0.2647,  
0.3227

63.1067, 0.2647,  
0.3227

60.3908, 0.2528,  
0.3206

66.2445, 0.2780,  
0.3247

58.0658, 0.2425,  
0.3183

69.8183, 0.2924,  
0.3267

56.1082, 0.2340,  
0.3161

73.8509, 0.3076,  
0.3284

54.4889, 0.2275,  
0.3138

78.3611, 0.3232,  
0.3301

■ 53.1743, 0.2228,  
0.3115

■ 81.9116, 0.3337,  
0.3316

■ 52.1237, 0.2200,  
0.3093

■ 82.7387, 0.3335,  
0.3330

■ 51.5256, 0.2188,  
0.3078

■ 83.5730, 0.3333,  
0.3345

■ 84.4146, 0.3331,  
0.3360

■ 85.2633, 0.3329,  
0.3375

# Harmonies

## Analogous

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



63.1067, 0.2829, 0.3499



63.1067, 0.2647, 0.3227



63.1067, 0.2589, 0.2989

# Triad

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



63.1067, 0.2647, 0.3227



63.1067, 0.3139, 0.2910



63.1067, 0.3601, 0.3734

# Complementary

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



63.1067, 0.2647, 0.3227



41.6618, 0.3884, 0.3352

# 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.



63.1067, 0.3696, 0.3554



63.1067, 0.2647, 0.3227



63.1067, 0.3423, 0.3089

# Square

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



63.1067, 0.2647, 0.3227



63.1067, 0.2863, 0.2822



63.1067, 0.3631, 0.3319



63.1067, 0.3379, 0.3800

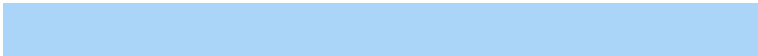


# Rectangle

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



63.1067, 0.2647, 0.3227



63.1067, 0.2626, 0.2882



63.1067, 0.3631, 0.3319



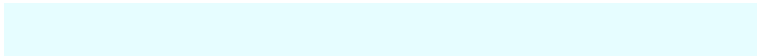
63.1067, 0.3649, 0.3683

# Sweetspot

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



63.1092, 0.2647, 0.3227



94.3998, 0.2973, 0.3273



62.7053, 0.3052, 0.4212



20.0478, 0.2951, 0.3270



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.



63.1092, 0.2647, 0.3227



81.2473, 0.2562, 0.3212



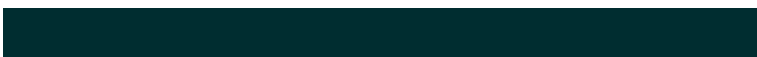
45.5895, 0.2585, 0.2740



15.4075, 0.2982, 0.3274



29.7594, 0.2189, 0.3081



2.1106, 0.2199, 0.3116



# Inverse Universe

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



42.9954, 0.3210, 0.2514



50.8319, 0.3229, 0.2358



56.1350, 0.3741, 0.3782



13.9190, 0.3148, 0.3074



11.9123, 0.3383, 0.1637

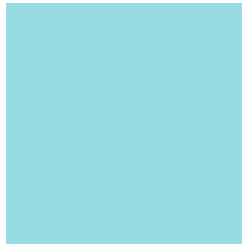


0.8305, 0.3354, 0.1621



# Previews

## White Background



This preview shows how the Yxy color 63.1067, 0.2647, 0.3227 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

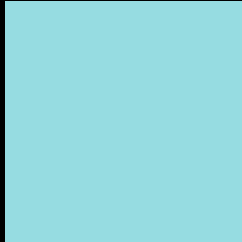
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.1067, 0.2647, 0.3227 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

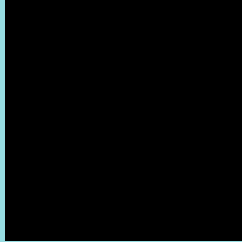
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.1067, 0.2647, 0.3227**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.1067, 0.2647, 0.3227.

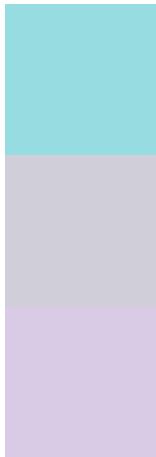


This preview shows how white text looks on a background with the Yxy color 63.1067, 0.2647, 0.3227.

# 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

63.1067, 0.2647, 0.3227

### Protanopia

62.5623, 0.3066, 0.3165

### Deuteranopia

62.6499, 0.3051, 0.2992



## Tritanopia

62.9712, 0.2602, 0.3071

# Trichromacy



**Original Color**

63.1067, 0.2647, 0.3227

**Protanomaly**

62.3206, 0.2896, 0.3183

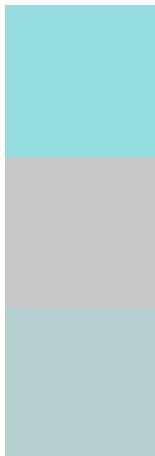
**Deuteranomaly**

62.5398, 0.2886, 0.3070

**Tritanomaly**

63.1646, 0.2619, 0.3131

# Monochromacy



**Original Color**

63.1067, 0.2647, 0.3227

**Achromatopsia**

57.7580, 0.3127, 0.3290

**Achromatomaly**

59.1742, 0.2931, 0.3265

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.1067, 0.2647, 0.3227 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(150, 220, 225)` looks like.

```
.text, #text, p{  
    color:rgb(150, 220, 225)  
}
```

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(150, 220, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 220, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 63.1067, 0.2647, 0.3227 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(150, 220, 225) }
```

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

```
.border{ border-color:rgb(150, 220, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 220, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 220, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 220, 225);  
box-shadow:4px 4px 4px 4px rgb(150, 220,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.1067, 0.2647, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 220, 225) }
```

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

```
.background{ background-color: rgb(150,  
220, 225) }
```

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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