

# Converting Colors

$Yxy(67.2694, 0.2958, 0.3326)$

Have a look what the booklet for  
Yxy(67.2694, 0.2958, 0.3326)  
contains.

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# Color

**Yxy(67.4026, 0.2952, 0.3324)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0DCD9
RGB	192, 220, 217
RGB Percent	75%, 86%, 85%
CMY	0.2470, 0.1373, 0.1489
CMYK	0.13, 0.00, 0.01, 0.14
HSL	174°, 29%, 81%
HSV	174°, 13%, 86%
XYZ	59.8593, 67.4026, 75.5136
YIQ	211.2860, -15.7250, -6.8690

# Conversions

## Conversions Part 2

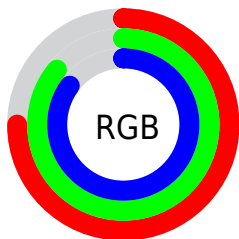
Format	Color
R <sub>Y</sub> B	192, 207, 220
Decimal	12639449
CIE Lab	85.71, -9.81, -1.68
CIE LCh	86, 9.951, 189.692
Yxy	67.4026, 0.2952, 0.3324
Android (android.graphics.Color)	4290829529 (0xFFC0DCD9)
YUV	211.2860, 2.8170, -16.9138
Hunter-Lab	82.0991, -13.5271, 2.9352

# Details

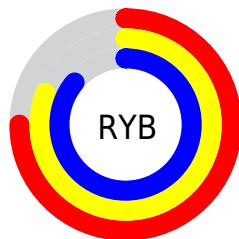
The Yxy color **67.4026, 0.2952, 0.3324** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.8593, 0.3334, 0.3256**, and the grayscale version is **65.3323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **34.9222, 0.2909, 0.3336** is the 20% darker color. If you saturate the color by 10%, you get **64.6237, 0.2823, 0.3354**, and if you desaturate by 10%, it is **70.6181, 0.3089, 0.3297**.

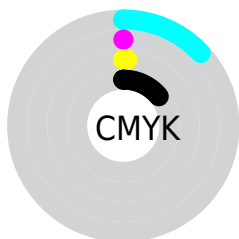
# Distribution



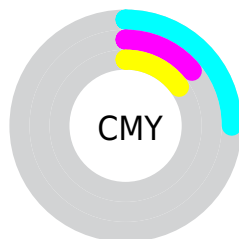
- Red (75%)
- Green (86%)
- Blue (85%)



- Red (75%)
- Yellow (81%)
- Blue (86%)



- Cyan (13%)
- Magenta (0%)
- Yellow (1%)
- Black (14%)




- Cyan (25%)
- Magenta (14%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.4026, 0.2952, 0.3324 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 67.4026, 0.2952, 0.3324 by changing the saturation by 10% instead.



 67.4026, 0.2952,  
0.3324

 67.4026, 0.2952,  
0.3324


451.3765, 0.3034,  
0.3309

 49.4119, 0.2933,  
0.3327


 115.4971, 0.2981,  
0.3319

 34.9463, 0.2909,  
0.3332


146.3697, 0.2992,  
0.3317

 23.6215, 0.2879,  
0.3337


182.3050, 0.3001,  
0.3315

 15.0531, 0.2840,  
0.3344

223.6874, 0.3010,  
0.3313

 8.8567, 0.2785,  
0.3354

270.9014, 0.3017,  
0.3312

 4.6478, 0.2705,  
0.3367

324.3313, 0.3023,

 2.0421, 0.2575,

0.3311

384.3615, 0.3029,  
0.3310

0.3387

0.6318, 0.2008,  
0.3514

0.0000, 0.0000,  
0.0000

67.4026, 0.2952,  
0.3324

67.4026, 0.2952,  
0.3324

64.6237, 0.2823,  
0.3354

70.6181, 0.3089,  
0.3297

62.2541, 0.2705,  
0.3385


74.2796, 0.3231,  
0.3272

60.2760, 0.2600,  
0.3419

77.8312, 0.3353,  
0.3250

58.6673, 0.2511,  
0.3454

77.9592, 0.3337,  
0.3227


 57.4037, 0.2440,  
0.3491

 78.0890, 0.3320,  
0.3203


 56.4579, 0.2389,  
0.3527


 78.2206, 0.3304,  
0.3180


 55.7984, 0.2357,  
0.3564

 78.3539, 0.3288,  
0.3157

 55.3872, 0.2343,  
0.3601

 78.4890, 0.3272,  
0.3134

 55.1986, 0.2341,  
0.3627

 78.6259, 0.3256,  
0.3111

# Harmonies

## Analogous

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



67.4026, 0.3055, 0.3428



67.4026, 0.2952, 0.3324



67.4026, 0.2896, 0.3212

# Triad

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



67.4026, 0.2952, 0.3324



67.4026, 0.3072, 0.3096



67.4026, 0.3359, 0.3452

# Complementary

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



67.4026, 0.2952, 0.3324



56.8593, 0.3334, 0.3256

# 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.



67.4026, 0.3364, 0.3360



67.4026, 0.2952, 0.3324



67.4026, 0.3197, 0.3158

# Square

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



67.4026, 0.2952, 0.3324



67.4026, 0.2964, 0.3083



67.4026, 0.3305, 0.3253



67.4026, 0.3290, 0.3502



# Rectangle

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



67.4026, 0.2952, 0.3324



67.4026, 0.2892, 0.3150



67.4026, 0.3305, 0.3253



67.4026, 0.3368, 0.3425

# Sweetspot

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



67.4054, 0.2952, 0.3324



98.0468, 0.3071, 0.3300



66.6319, 0.3135, 0.3621



20.9099, 0.3060, 0.3302



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

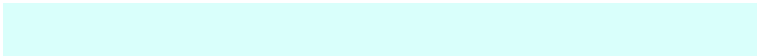


# Same Dimension

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



67.4054, 0.2952, 0.3324



93.1939, 0.2920, 0.3331



62.1092, 0.2930, 0.3164



14.8044, 0.2996, 0.3315



32.4052, 0.2339, 0.3622



2.1064, 0.2323, 0.3562



# Inverse Universe

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



56.8593, 0.3334, 0.3256



75.9679, 0.3380, 0.3250



61.6111, 0.3342, 0.3413



13.0739, 0.3275, 0.3265



8.9751, 0.6268, 0.3227

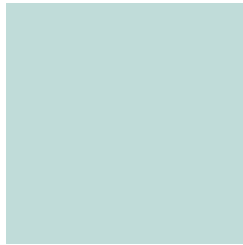


0.5892, 0.5948, 0.3050



# Previews

## White Background



This preview shows how the Yxy color 67.4026, 0.2952, 0.3324 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

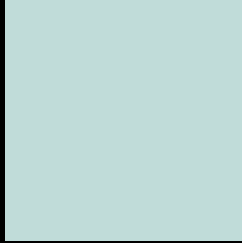
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.4026, 0.2952, 0.3324 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

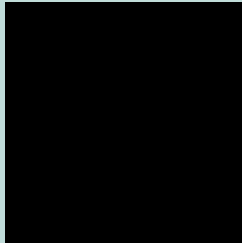
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

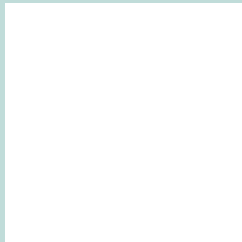
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.4026, 0.2952, 0.3324**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.4026, 0.2952, 0.3324.



This preview shows how white text looks on a background with the Yxy color 67.4026, 0.2952, 0.3324.

# 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

67.4026, 0.2952, 0.3324

### Protanopia

67.2980, 0.3164, 0.3290

### Deuteranopia

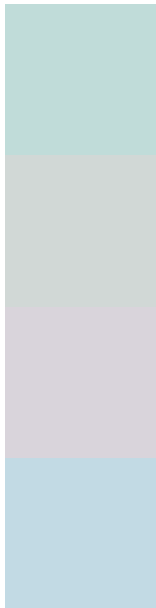
66.9488, 0.3224, 0.3151



## Tritanopia

67.2260, 0.2861, 0.3086

# Trichromacy



**Original Color**

67.4026, 0.2952, 0.3324

**Protanomaly**

67.5221, 0.3090, 0.3312

**Deuteranomaly**

66.9532, 0.3116, 0.3212

**Tritanomaly**

67.2136, 0.2897, 0.3175

# Monochromacy



**Original Color**

67.4026, 0.2952, 0.3324

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

65.7346, 0.3061, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.4026, 0.2952, 0.3324 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(192, 220, 217)` looks like.

```
.text, #text, p{  
    color:rgb(192, 220, 217)  
}
```

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(192, 220, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 220, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 67.4026, 0.2952, 0.3324 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(192, 220, 217) }
```

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

```
.border{ border-color:rgb(192, 220, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 220, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 220, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 220, 217);  
box-shadow:4px 4px 4px 4px rgb(192, 220,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.4026, 0.2952, 0.3324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 220, 217) }
```

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

```
.background{ background-color: rgb(192,  
220, 217) }
```

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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