

# Converting Colors

Yxy(64.6542, 0.2988, 0.3318)

Have a look what the booklet for  
Yxy(64.6542, 0.2988, 0.3318)  
contains.

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# Color

**Yxy(64.6918, 0.2990, 0.3325)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C1D7D4
RGB	193, 215, 212
RGB Percent	76%, 84%, 83%
CMY	0.2431, 0.1568, 0.1687
CMYK	0.10, 0.00, 0.01, 0.16
HSL	172°, 22%, 80%
HSV	172°, 10%, 84%
XYZ	58.1740, 64.6918, 71.6960
YIQ	208.0800, -12.1490, -5.5970

# Conversions

## Conversions Part 2

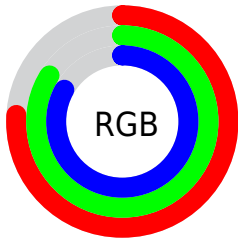
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 205, 215
Decimal	12703700
CIELab	84.32, -7.91, -1.02
CIELCh	84, 7.978, 187.370
Yxy	64.6918, 0.2990, 0.3325
Android (android.graphics.Color)	4290893780 (0xFFC1D7D4)
YUV	208.0800, 1.9326, -13.2252
Hunter-Lab	80.4312, -11.6498, 3.4510

# Details

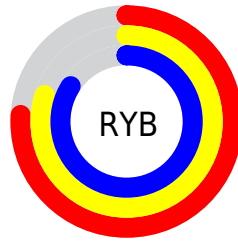
The Yxy color **64.6918, 0.2990, 0.3325** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.5740, 0.3283, 0.3255**, and the grayscale version is **63.1249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **33.0649, 0.2957, 0.3336** is the 20% darker color. If you saturate the color by 10%, you get **61.9235, 0.2863, 0.3363**, and if you desaturate by 10%, it is **67.8791, 0.3124, 0.3291**.

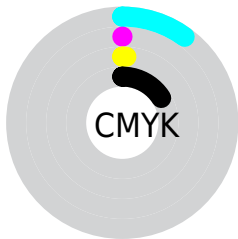
# Distribution



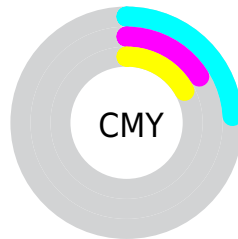
- Red (76%)
- Green (84%)
- Blue (83%)



- Red (76%)
- Yellow (80%)
- Blue (84%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (16%)



- Cyan (24%)
- Magenta (16%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6918, 0.2990, 0.3325 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 64.6918, 0.2990, 0.3325 by changing the saturation by 10% instead.



■ 64.6918, 0.2990,  
0.3325

■ 64.6918, 0.2990,  
0.3325

441.6836, 0.3055,  
0.3309

■ 47.2112, 0.2975,  
0.3329

■ 111.6066, 0.3013,  
0.3319

■ 33.2027, 0.2956,  
0.3333

141.8097, 0.3021,  
0.3317

■ 22.2817, 0.2932,  
0.3339

177.0224, 0.3029,  
0.3315

■ 14.0641, 0.2900,  
0.3347

217.6290, 0.3036,  
0.3314

■ 8.1652, 0.2855,  
0.3358

264.0141, 0.3041,  
0.3312

■ 4.2009, 0.2788,  
0.3374

316.5619, 0.3046,

■ 1.7865, 0.2679,

0.3311

0.3399

375.6570, 0.3051,  
0.3310

0.4788, 0.1964,  
0.3590

0.0000, 0.0000,  
0.0000

64.6918, 0.2990,  
0.3325

64.6918, 0.2990,  
0.3325

61.9235, 0.2863,  
0.3363

67.8791, 0.3124,  
0.3291

59.5483, 0.2745,  
0.3403

71.4938, 0.3262,  
0.3260


57.5500, 0.2639,  
0.3446


75.0769, 0.3382,  
0.3232

55.9081, 0.2549,  
0.3492


75.2356, 0.3361,  
0.3202


 54.6001, 0.2476,  
0.3539


 75.3971, 0.3340,  
0.3173

 53.6011, 0.2422,  
0.3587


 75.5614, 0.3319,  
0.3143

 52.8823, 0.2387,  
0.3636

 75.7286, 0.3298,  
0.3114

 52.4099, 0.2371,  
0.3684

 75.8985, 0.3278,  
0.3085

 52.1271, 0.2370,  
0.3731

 76.0713, 0.3257,  
0.3057

# Harmonies

## Analogous

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



64.6918, 0.3076, 0.3408



64.6918, 0.2990, 0.3325



64.6918, 0.2941, 0.3234

# Triad

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



64.6918, 0.2990, 0.3325



64.6918, 0.3075, 0.3129



64.6918, 0.3318, 0.3417

# Complementary

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



64.6918, 0.2990, 0.3325



56.5740, 0.3283, 0.3255

# 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.



64.6918, 0.3318, 0.3341



64.6918, 0.2990, 0.3325



64.6918, 0.3176, 0.3177

# Square

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



64.6918, 0.2990, 0.3325



64.6918, 0.2989, 0.3123



64.6918, 0.3266, 0.3254



64.6918, 0.3266, 0.3460



# Rectangle

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



64.6918, 0.2990, 0.3325



64.6918, 0.2935, 0.3182



64.6918, 0.3266, 0.3254



64.6918, 0.3324, 0.3395

# Sweetspot

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



64.6945, 0.2990, 0.3325



98.5103, 0.3086, 0.3300



64.2308, 0.3139, 0.3551



21.0021, 0.3075, 0.3303



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

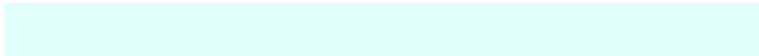


# Same Dimension

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



64.6945, 0.2990, 0.3325



94.3834, 0.2965, 0.3332



61.0172, 0.2970, 0.3199



14.0772, 0.3001, 0.3322



31.1876, 0.2368, 0.3724



1.8894, 0.2345, 0.3641



# Inverse Universe

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



56.5740, 0.3283, 0.3255



80.4216, 0.3316, 0.3249



59.9327, 0.3297, 0.3380



12.4483, 0.3270, 0.3258



8.7049, 0.6210, 0.3194

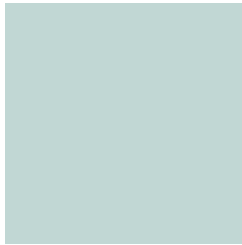


0.5342, 0.5808, 0.2973



# Previews

## White Background



This preview shows how the Yxy color 64.6918, 0.2990, 0.3325 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

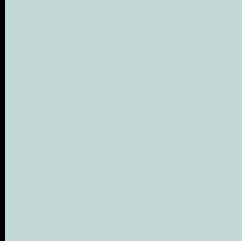
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.6918, 0.2990, 0.3325 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

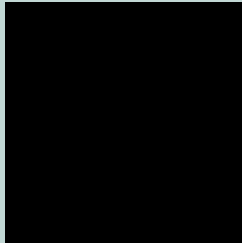
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

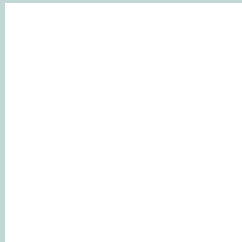
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.6918, 0.2990, 0.3325**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.6918, 0.2990, 0.3325.



This preview shows how white text looks on a background with the Yxy color 64.6918, 0.2990, 0.3325.

# 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

64.6918, 0.2990, 0.3325

### Protanopia

64.5005, 0.3165, 0.3290

### Deuteranopia

64.5348, 0.3240, 0.3181



## Tritanopia

64.4799, 0.2902, 0.3095

# Trichromacy



## Original Color

64.6918, 0.2990, 0.3325

## Protanomaly

64.3635, 0.3097, 0.3301

## Deuteranomaly

64.3629, 0.3145, 0.3234

## Tritanomaly

64.5183, 0.2933, 0.3174

# Monochromacy



## Original Color

64.6918, 0.2990, 0.3325

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.8885, 0.3082, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.6918, 0.2990, 0.3325 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(193, 215, 212)` looks like.

```
.text, #text, p{  
    color:rgb(193, 215, 212)  
}
```

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(193, 215, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 215, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 64.6918, 0.2990, 0.3325 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(193, 215, 212) }
```

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

```
.border{ border-color:rgb(193, 215, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 215, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 215, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 215, 212);  
box-shadow:4px 4px 4px 4px rgb(193, 215,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.6918, 0.2990, 0.3325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 215, 212) }
```

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

```
.background{ background-color: rgb(193,  
215, 212) }
```

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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