

# Converting Colors

$Yxy(64.5900, 0.3010, 0.3365)$

Have a look what the booklet for  
Yxy(64.5900, 0.3010, 0.3365)  
contains.

<b>Yxy(64.5418, 0.3009, 0.3360)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(64.5418, 0.3009, 0.3360)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1D7D1
RGB	193, 215, 209
RGB Percent	76%, 84%, 82%
CMY	0.2432, 0.1568, 0.1803
CMYK	0.10, 0.00, 0.03, 0.16
HSL	164°, 22%, 80%
HSV	164°, 10%, 84%
XYZ	57.7995, 64.5418, 69.7474
YIQ	207.7380, -11.1860, -6.5300

# Conversions

## Conversions Part 2

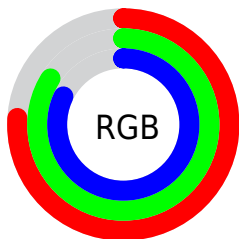
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	193, 206, 215
Decimal	12703697
CIE Lab	84.25, -8.49, 0.43
CIE LCh	84, 8.501, 177.076
Yxy	64.5418, 0.3009, 0.3360
Android (android.graphics.Color)	4290893777 (0xFFC1D7D1)
YUV	207.7380, 0.6222, -12.9252
Hunter-Lab	80.3379, -12.1687, 4.7624

# Details

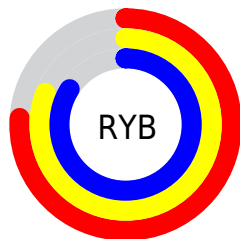
The Yxy color **64.5418, 0.3009, 0.3360** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.7013, 0.3261, 0.3221**, and the grayscale version is **62.8996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **32.9971, 0.2974, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **61.6374, 0.2899, 0.3436**, and if you desaturate by 10%, it is **67.8730, 0.3124, 0.3292**.

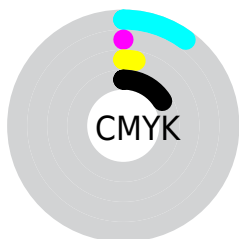
# Distribution



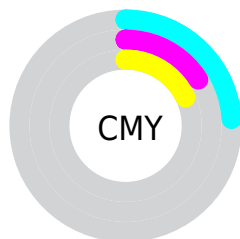
- Red (76%)
- Green (84%)
- Blue (82%)



- Red (76%)
- Yellow (81%)
- Blue (84%)



- Cyan (10%)
- Magenta (0%)
- Yellow (3%)
- Black (16%)



- Cyan (24%)
- Magenta (16%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5418, 0.3009, 0.3360 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 64.5418, 0.3009, 0.3360 by changing the saturation by 10% instead.



■ 64.5418, 0.3009,  
0.3360

■ 64.5418, 0.3009,  
0.3360

441.1436, 0.3065,  
0.3327

■ 47.0896, 0.2996,  
0.3368

■ 111.3909, 0.3029,  
0.3348

■ 33.1065, 0.2980,  
0.3377

141.5565, 0.3036,  
0.3344

■ 22.2081, 0.2959,  
0.3390

176.7288, 0.3043,  
0.3340

■ 14.0099, 0.2931,  
0.3407

217.2922, 0.3048,  
0.3337

■ 8.1275, 0.2891,  
0.3430

263.6309, 0.3053,  
0.3334

■ 4.1767, 0.2833,  
0.3465

316.1295, 0.3058,

■ 1.7729, 0.2736,

0.3331

375.1722, 0.3061,  
0.3329

0.3523

0.4702, 0.2011,  
0.3946

0.0000, 0.0000,  
0.0000

64.5418, 0.3009,  
0.3360

64.5418, 0.3009,  
0.3360

61.6374, 0.2899,  
0.3436

67.8730, 0.3124,  
0.3292

59.1339, 0.2796,  
0.3518


71.6396, 0.3242,  
0.3230


57.0150, 0.2703,  
0.3607

75.3862, 0.3342,  
0.3175


55.2601, 0.2625,  
0.3701


75.7134, 0.3300,  
0.3117

 53.8465, 0.2562,  
0.3799


 76.0517, 0.3259,  
0.3060

 52.7493, 0.2518,  
0.3901

 76.4011, 0.3219,  
0.3004

 51.9395, 0.2494,  
0.4004

 76.7617, 0.3179,  
0.2948

 51.3833, 0.2490,  
0.4106

 77.0851, 0.3145,  
0.2901

 51.0256, 0.2501,  
0.4205

# Harmonies

## Analogous

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



64.5418, 0.3109, 0.3439



64.5418, 0.3009, 0.3360



64.5418, 0.2941, 0.3263

# Triad

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



64.5418, 0.3009, 0.3360



64.5418, 0.3037, 0.3111



64.5418, 0.3337, 0.3400

# Complementary

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



64.5418, 0.3009, 0.3360



56.7013, 0.3261, 0.3221

# 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.



64.5418, 0.3317, 0.3313



64.5418, 0.3009, 0.3360



64.5418, 0.3143, 0.3148

# Square

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



64.5418, 0.3009, 0.3360



64.5418, 0.2957, 0.3120



64.5418, 0.3245, 0.3221



64.5418, 0.3299, 0.3461



# Rectangle

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



64.5418, 0.3009, 0.3360



64.5418, 0.2922, 0.3201



64.5418, 0.3245, 0.3221



64.5418, 0.3337, 0.3373

# Sweetspot

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



64.5445, 0.3009, 0.3360



98.4447, 0.3092, 0.3310



64.6268, 0.3161, 0.3550



20.9844, 0.3082, 0.3315



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

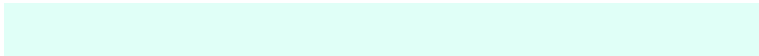


# Same Dimension

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



64.5445, 0.3009, 0.3360



94.1274, 0.2988, 0.3374



62.4511, 0.2970, 0.3234



14.0476, 0.3018, 0.3354



30.5354, 0.2497, 0.4190



1.8553, 0.2448, 0.4014



# Inverse Universe

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



56.7013, 0.3261, 0.3221



80.6534, 0.3288, 0.3208



58.5729, 0.3301, 0.3346



12.4757, 0.3249, 0.3227



8.8416, 0.5846, 0.2994

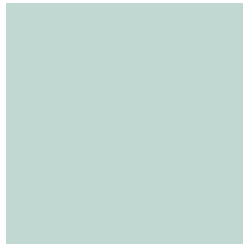


0.5472, 0.5346, 0.2719



# Previews

## White Background



This preview shows how the Yxy color 64.5418, 0.3009, 0.3360 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

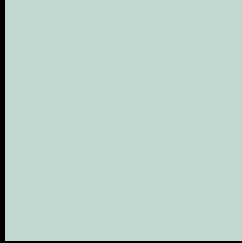
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.5418, 0.3009, 0.3360 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

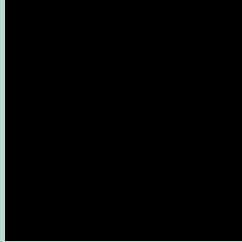
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

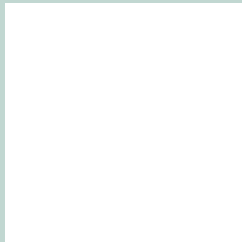
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.5418, 0.3009, 0.3360**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.5418, 0.3009, 0.3360.



This preview shows how white text looks on a background with the Yxy color 64.5418, 0.3009, 0.3360.

# 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

64.5418, 0.3009, 0.3360

### Protanopia

64.5042, 0.3193, 0.3324

### Deuteranopia

64.0730, 0.3271, 0.3203



## Tritanopia

64.4799, 0.2902, 0.3095

# Trichromacy



## Original Color

64.5418, 0.3009, 0.3360

## Protanomaly

64.3589, 0.3125, 0.3336

## Deuteranomaly

63.8777, 0.3174, 0.3256

## Tritanomaly

64.4645, 0.2939, 0.3186

# Monochromacy



## Original Color

64.5418, 0.3009, 0.3360

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.8391, 0.3089, 0.3325

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.5418, 0.3009, 0.3360 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(193, 215, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 215, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 64.5418, 0.3009, 0.3360 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, 209) }
```

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

```
.border{ border-color:rgb(193, 215, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 215, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 215, 209);  
box-shadow:4px 4px 4px 4px rgb(193, 215,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.5418, 0.3009, 0.3360 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, 209) }
```

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

```
.background{ background-color: rgb(193,  
215, 209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor