

# Converting Colors

$Yxy(64.9785, 0.3159, 0.3576)$

Have a look what the booklet for  
Yxy(64.9785, 0.3159, 0.3576)  
contains.

<b>Yxy(64.9233, 0.3157, 0.3574)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(64.9233, 0.3157, 0.3574)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6D8C0
RGB	198, 216, 192
RGB Percent	78%, 85%, 75%
CMY	0.2238, 0.1529, 0.2470
CMYK	0.08, 0.00, 0.11, 0.15
HSL	105°, 24%, 80%
HSV	105°, 11%, 85%
XYZ	57.3483, 64.9233, 59.3828
YIQ	207.8820, -3.0240, -11.2800

# Conversions

## Conversions Part 2

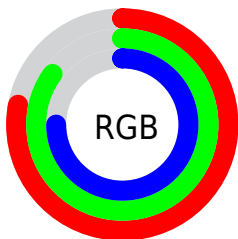
Format	Color
<b>RYB</b>	192, 216, 210
Decimal	13031616
CIELab	84.44, -10.45, 9.78
CIELCh	84, 14.306, 136.898
Yxy	64.9233, 0.3157, 0.3574
Android (android.graphics.Color)	4291221696 (0xFFC6D8C0)
YUV	207.8820, -7.8298, -8.6665
Hunter-Lab	80.5750, -13.9610, 12.7065

# Details

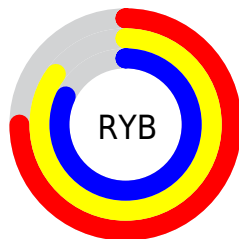
The Yxy color **64.9233, 0.3157, 0.3574** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.3769, 0.3093, 0.3014**, and the grayscale version is **63.0455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.5573, 0.3168, 0.3357**, and **33.2831, 0.3159, 0.3637** is the 20% darker color. If you saturate the color by 10%, you get **61.9456, 0.3182, 0.3859**, and if you desaturate by 10%, it is **68.2844, 0.3130, 0.3317**.

# Distribution



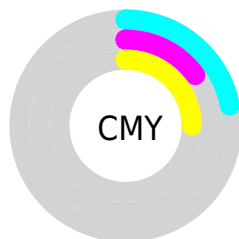
- Red (78%)
- Green (85%)
- Blue (75%)



- Red (75%)
- Yellow (85%)
- Blue (82%)



- Cyan (8%)
- Magenta (0%)
- Yellow (11%)
- Black (15%)




- Cyan (22%)
- Magenta (15%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9233, 0.3157, 0.3574 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 64.9233, 0.3157, 0.3574 by changing the saturation by 10% instead.




 64.9233, 0.3157,  
0.3574

 64.9233, 0.3157,  
0.3574


442.5163, 0.3144,  
0.3437

 47.3989, 0.3160,  
0.3607

 111.9396, 0.3153,  
0.3526

 33.3511, 0.3163,  
0.3648


142.2002, 0.3151,  
0.3507

 22.3955, 0.3167,  
0.3701


177.4751, 0.3149,  
0.3491

 14.1478, 0.3171,  
0.3772

218.1486, 0.3148,  
0.3478

 8.2236, 0.3176,  
0.3874

264.6050, 0.3147,  
0.3466

 4.2383, 0.3182,  
0.4029


317.2289, 0.3146,

 1.8078, 0.3184,


0.3455


0.4296


376.4045, 0.3145,  
0.3446


 0.4920, 0.3018,  
0.6982


 0.0000, 0.0000,  
0.0000


 64.9233, 0.3157,  
0.3574


 64.9233, 0.3157,  
0.3574

 61.9456, 0.3182,  
0.3859


 68.2844, 0.3130,  
0.3317


 59.3295, 0.3203,  
0.4169

 72.0335, 0.3103,  
0.3088

 57.0632, 0.3217,  
0.4497

 76.0679, 0.3087,  
0.2904

 55.1315, 0.3223,  
0.4829

 77.6019, 0.3145,  
0.2911

■ 53.5178, 0.3219,  
0.5150

■ 52.2038, 0.3201,  
0.5437

■ 51.1697, 0.3172,  
0.5670

■ 50.3924, 0.3132,  
0.5834

■ 49.8891, 0.3094,  
0.5925

# Harmonies

## Analogous

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



64.9233, 0.3329, 0.3605



64.9233, 0.3157, 0.3574



64.9233, 0.2981, 0.3460

# Triad

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



64.9233, 0.3157, 0.3574



64.9233, 0.2814, 0.3028



64.9233, 0.3415, 0.3272

# Complementary

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



64.9233, 0.3157, 0.3574



56.3769, 0.3093, 0.3014

# 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.



64.9233, 0.3270, 0.3129



64.9233, 0.3157, 0.3574



64.9233, 0.2923, 0.2989

# Square

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



64.9233, 0.3157, 0.3574



64.9233, 0.2786, 0.3139



64.9233, 0.3089, 0.3026



64.9233, 0.3481, 0.3425



# Rectangle

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



64.9233, 0.3157, 0.3574



64.9233, 0.2884, 0.3354



64.9233, 0.3089, 0.3026



64.9233, 0.3374, 0.3222

# Sweetspot

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



64.9261, 0.3157, 0.3574



98.4410, 0.3135, 0.3364



64.5099, 0.3300, 0.3496



20.9831, 0.3138, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

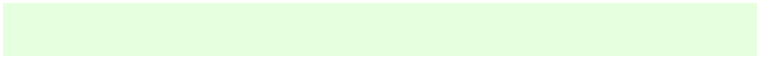


# Same Dimension

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



64.9261, 0.3157, 0.3574



93.6157, 0.3162, 0.3629



64.4074, 0.3074, 0.3504



14.0427, 0.3153, 0.3528



29.5660, 0.3103, 0.5919



1.8225, 0.3228, 0.5819



# Inverse Universe

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



56.3769, 0.3093, 0.3014



79.1223, 0.3086, 0.2962



56.9596, 0.3185, 0.3085



12.4710, 0.3099, 0.3057



7.5730, 0.2594, 0.1203



0.4944, 0.2705, 0.1264



# Previews

## White Background



This preview shows how the Yxy color 64.9233, 0.3157, 0.3574 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

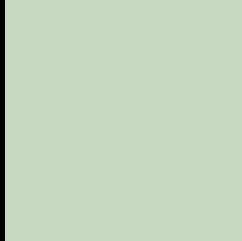
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.9233, 0.3157, 0.3574 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

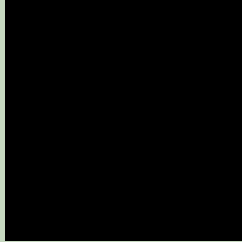
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

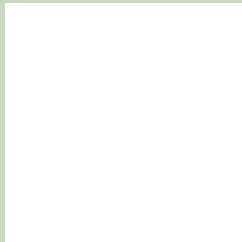
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.9233, 0.3157, 0.3574**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.9233, 0.3157, 0.3574.



This preview shows how white text looks on a background with the Yxy color 64.9233, 0.3157, 0.3574.

# 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

64.9233, 0.3157, 0.3574

### Protanopia

64.8274, 0.3345, 0.3529

### Deuteranopia

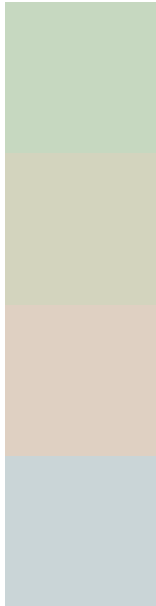
64.6565, 0.3455, 0.3378



## Tritanopia

65.0273, 0.2963, 0.3098

# Trichromacy



## Original Color

64.9233, 0.3157, 0.3574

## Protanomaly

64.6536, 0.3273, 0.3545

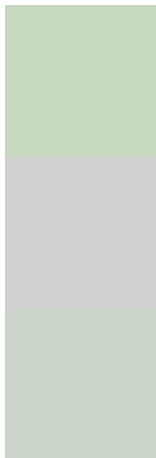
## Deuteranomaly

64.6948, 0.3343, 0.3448

## Tritanomaly

65.0514, 0.3034, 0.3267

# Monochromacy



## Original Color

64.9233, 0.3157, 0.3574

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.6902, 0.3137, 0.3395

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9233, 0.3157, 0.3574 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(198, 216, 192)` looks like.

```
.text, #text, p{  
    color:rgb(198, 216, 192)  
}
```

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(198, 216, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 216, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9233, 0.3157, 0.3574 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(198, 216, 192) }
```

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

```
.border{ border-color:rgb(198, 216, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 216, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 216, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 216, 192);  
box-shadow:4px 4px 4px 4px rgb(198, 216,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9233, 0.3157, 0.3574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 216, 192) }
```

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

```
.background{ background-color: rgb(198,  
216, 192) }
```

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