

# Converting Colors

Yxy(64.7599, 0.3136, 0.3558)

Have a look what the booklet for  
Yxy(64.7599, 0.3136, 0.3558)  
contains.

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# Color

**Yxy(64.6978, 0.3136, 0.3563)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4D8C1
RGB	196, 216, 193
RGB Percent	77%, 85%, 76%
CMY	0.2314, 0.1529, 0.2431
CMYK	0.09, 0.00, 0.11, 0.15
HSL	112°, 23%, 80%
HSV	112°, 11%, 85%
XYZ	56.9442, 64.6978, 59.9403
YIQ	207.3980, -4.5370, -11.3930

# Conversions

## Conversions Part 2

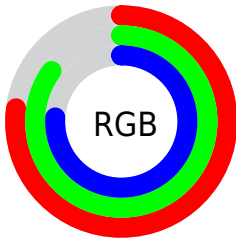
Format	Color
<b>RYB</b>	193, 216, 213
Decimal	12900545
CIELab	84.33, -10.94, 9.06
CIELCh	84, 14.206, 140.350
Yxy	64.6978, 0.3136, 0.3563
Android (android.graphics.Color)	4291090625 (0xFFC4D8C1)
YUV	207.3980, -7.0982, -9.9960
Hunter-Lab	80.4349, -14.3914, 12.1214

# Details

The Yxy color **64.6978, 0.3136, 0.3563** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.2500, 0.3116, 0.3028**, and the grayscale version is **62.7162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2422, 0.3149, 0.3348**, and **33.1046, 0.3139, 0.3639** is the 20% darker color. If you saturate the color by 10%, you get **61.4410, 0.3142, 0.3852**, and if you desaturate by 10%, it is **68.4168, 0.3128, 0.3306**.

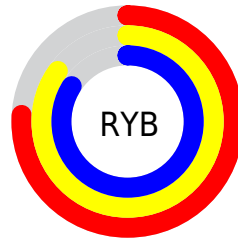
# Distribution



Red (77%)

Green (85%)

Blue (76%)



Red (76%)

Yellow (85%)

Blue (84%)

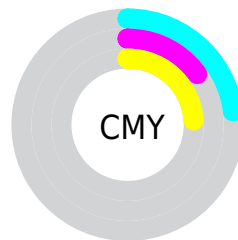


Cyan (9%)

Magenta (0%)

Yellow (11%)

Black (15%)



Cyan (23%)

Magenta (15%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6978, 0.3136, 0.3563 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 64.6978, 0.3136, 0.3563 by changing the saturation by 10% instead.



■ 64.6978, 0.3136,  
0.3563

■ 64.6978, 0.3136,  
0.3563

441.7052, 0.3133,  
0.3432

■ 47.2161, 0.3136,  
0.3594

■ 111.6153, 0.3135,  
0.3516

■ 33.2065, 0.3137,  
0.3634

141.8198, 0.3135,  
0.3499

■ 22.2847, 0.3137,  
0.3685

177.0341, 0.3134,  
0.3483

■ 14.0662, 0.3137,  
0.3754

217.6425, 0.3134,  
0.3470

■ 8.1667, 0.3135,  
0.3852

264.0294, 0.3134,  
0.3459

■ 4.2018, 0.3131,  
0.4003

316.5792, 0.3133,

■ 1.7871, 0.3117,

0.3449

0.4262

375.6764, 0.3133,  
0.3440

0.4791, 0.2822,  
0.7178

0.0000, 0.0000,  
0.0000

64.6978, 0.3136,  
0.3563

64.6978, 0.3136,  
0.3563

61.4410, 0.3142,  
0.3852

68.4168, 0.3128,  
0.3306

58.6203, 0.3145,  
0.4169

72.6065, 0.3118,  
0.3079

56.2198, 0.3144,  
0.4508

77.1033, 0.3127,  
0.2908

54.2191, 0.3138,  
0.4855

77.5959, 0.3145,  
0.2910

■ 52.5962, 0.3125,  
0.5190

■ 51.3272, 0.3107,  
0.5489

■ 50.3850, 0.3082,  
0.5728

■ 49.7387, 0.3055,  
0.5890

■ 49.3631, 0.3031,  
0.5976

# Harmonies

## Analogous

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



64.6978, 0.3310, 0.3604



64.6978, 0.3136, 0.3563



64.6978, 0.2964, 0.3442

# Triad

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



64.6978, 0.3136, 0.3563



64.6978, 0.2824, 0.3021



64.6978, 0.3425, 0.3290

# Complementary

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



64.6978, 0.3136, 0.3563



57.2500, 0.3116, 0.3028

# 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.



64.6978, 0.3289, 0.3144



64.6978, 0.3136, 0.3563



64.6978, 0.2941, 0.2991

# Square

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



64.6978, 0.3136, 0.3563



64.6978, 0.2787, 0.3124



64.6978, 0.3110, 0.3036



64.6978, 0.3480, 0.3440



# Rectangle

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



64.6978, 0.3136, 0.3563



64.6978, 0.2872, 0.3334



64.6978, 0.3110, 0.3036



64.6978, 0.3387, 0.3239

# Sweetspot

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



64.7006, 0.3136, 0.3563



98.2761, 0.3130, 0.3364



66.0095, 0.3289, 0.3517



20.9388, 0.3131, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

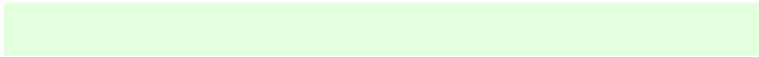


# Same Dimension

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



64.7006, 0.3136, 0.3563



92.9789, 0.3138, 0.3632



64.6917, 0.3059, 0.3462



13.9724, 0.3135, 0.3530



29.2416, 0.3036, 0.5971



1.7896, 0.3123, 0.5902



# Inverse Universe

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



57.2500, 0.3116, 0.3028



79.8365, 0.3113, 0.2965



57.2752, 0.3203, 0.3124



12.5472, 0.3117, 0.3059



9.2949, 0.2886, 0.1363



0.5839, 0.2945, 0.1396



# Previews

## White Background



This preview shows how the Yxy color 64.6978, 0.3136, 0.3563 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

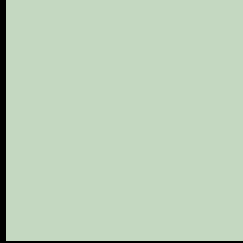
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.6978, 0.3136, 0.3563 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

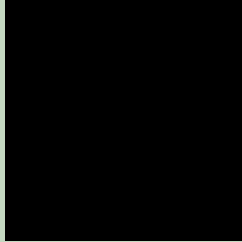
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

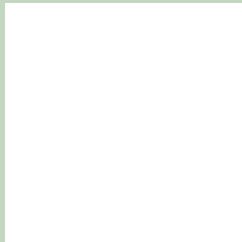
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.6978, 0.3136, 0.3563**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.6978, 0.3136, 0.3563.



This preview shows how white text looks on a background with the Yxy color 64.6978, 0.3136, 0.3563.

# 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

64.6978, 0.3136, 0.3563

### Protanopia

64.3787, 0.3339, 0.3507

### Deuteranopia

64.5303, 0.3439, 0.3367



## Tritanopia

64.7465, 0.2949, 0.3097

# Trichromacy



## Original Color

64.6978, 0.3136, 0.3563

## Protanomaly

64.6974, 0.3266, 0.3533

## Deuteranomaly

64.4240, 0.3320, 0.3437

## Tritanomaly

64.7742, 0.3020, 0.3267

# Monochromacy



## Original Color

64.6978, 0.3136, 0.3563

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

63.0540, 0.3130, 0.3383

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.6978, 0.3136, 0.3563 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(196, 216, 193)` looks like.

```
.text, #text, p{  
    color:rgb(196, 216, 193)  
}
```

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(196, 216, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 216, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 64.6978, 0.3136, 0.3563 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(196, 216, 193) }
```

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

```
.border{ border-color:rgb(196, 216, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 216, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 216, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 216, 193); box-shadow:4px 4px 4px 4px rgb(196, 216, 193) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.6978, 0.3136, 0.3563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 216, 193) }
```

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

```
.background{ background-color: rgb(196,  
216, 193) }
```

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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