

# Converting Colors

Yxy(64.3821, 0.3180, 0.3699)

Have a look what the booklet for  
Yxy(64.3821, 0.3180, 0.3699)  
contains.

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# Color

**Yxy(64.3821, 0.3180, 0.3699)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C1D9B7
RGB	193, 217, 183
RGB Percent	76%, 85%, 72%
CMY	0.2432, 0.1490, 0.2823
CMYK	0.11, 0.00, 0.16, 0.15
HSL	102°, 31%, 78%
HSV	102°, 16%, 85%
XYZ	55.3488, 64.3821, 54.3219
YIQ	205.9480, -3.3900, -15.6620

# Conversions

## Conversions Part 2

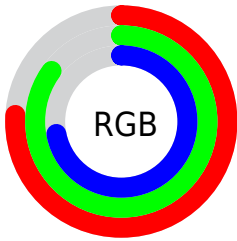
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 217, 207
Decimal	12704183
CIELab	84.16, -14.21, 14.07
CIElCh	84, 19.998, 135.272
Yxy	64.3821, 0.3180, 0.3699
Android (android.graphics.Color)	4290894263 (0xFFC1D9B7)
YUV	205.9480, -11.3134, -11.3554
Hunter-Lab	80.2385, -17.2874, 16.0273

# Details

The Yxy color **64.3821, 0.3180, 0.3699** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.1618, 0.3064, 0.2895**, and the grayscale version is **61.7614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0760, 0.3189, 0.3446**, and **32.9413, 0.3188, 0.3806** is the 20% darker color. If you saturate the color by 10%, you get **61.6362, 0.3210, 0.3994**, and if you desaturate by 10%, it is **67.4822, 0.3147, 0.3430**.

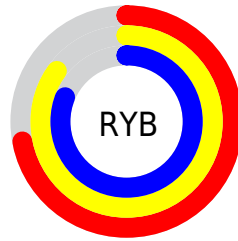
# Distribution



Red (76%)

Green (85%)

Blue (72%)



Red (72%)

Yellow (85%)

Blue (81%)

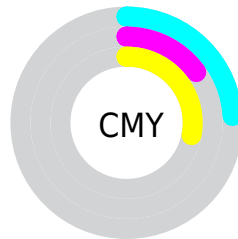


Cyan (11%)

Magenta (0%)

Yellow (16%)

Black (15%)



Cyan (24%)

Magenta (15%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3821, 0.3180, 0.3699 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 64.3821, 0.3180, 0.3699 by changing the saturation by 10% instead.




 64.3821, 0.3180,  
0.3699

 64.3821, 0.3180,  
0.3699

440.5682, 0.3157,  
0.3501

 46.9602, 0.3185,  
0.3747


 111.1610, 0.3173,  
0.3628

 33.0042, 0.3190,  
0.3807


141.2869, 0.3170,  
0.3601

 22.1297, 0.3196,  
0.3885


176.4162, 0.3167,  
0.3579

 13.9522, 0.3203,  
0.3991

216.9333, 0.3165,  
0.3559

 8.0874, 0.3211,  
0.4142

263.2227, 0.3162,  
0.3541

 4.1509, 0.3216,  
0.4375

315.6687, 0.3161,

 1.7584, 0.3224,

0.3526

0.4800

374.6557, 0.3159,  
0.3513

0.4610, 0.1654,  
0.8346

0.0000, 0.0000,  
0.0000

64.3821, 0.3180,  
0.3699

64.3821, 0.3180,  
0.3699

61.6362, 0.3210,  
0.3994

67.4822, 0.3147,  
0.3430

59.2235, 0.3236,  
0.4309

70.9404, 0.3112,  
0.3189

57.1333, 0.3253,  
0.4635

74.7707, 0.3078,  
0.2974

55.3511, 0.3260,  
0.4959

77.9918, 0.3140,  
0.2920

■ 53.8611, 0.3253,  
0.5261

■ 78.1112, 0.3145,  
0.2920

■ 52.6461, 0.3231,  
0.5522

■ 51.6868, 0.3196,  
0.5724

■ 50.9605, 0.3149,  
0.5856

■ 50.7051, 0.3129,  
0.5898

# Harmonies

## Analogous

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



64.3821, 0.3419, 0.3732



64.3821, 0.3180, 0.3699



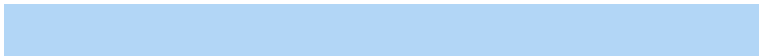
64.3821, 0.2933, 0.3541

# Triad

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



64.3821, 0.3180, 0.3699



64.3821, 0.2686, 0.2929



64.3821, 0.3523, 0.3251

# Complementary

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



64.3821, 0.3180, 0.3699



52.1618, 0.3064, 0.2895

# 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.



64.3821, 0.3313, 0.3056



64.3821, 0.3180, 0.3699



64.3821, 0.2831, 0.2872

# Square

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



64.3821, 0.3180, 0.3699



64.3821, 0.2655, 0.3086



64.3821, 0.3058, 0.2920



64.3821, 0.3623, 0.3463



# Rectangle

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



64.3821, 0.3180, 0.3699



64.3821, 0.2797, 0.3391



64.3821, 0.3058, 0.2920



64.3821, 0.3463, 0.3182

# Sweetspot

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



64.3849, 0.3180, 0.3699



97.5354, 0.3145, 0.3414



62.7092, 0.3378, 0.3564



20.8047, 0.3147, 0.3433



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

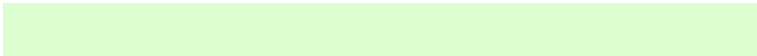


# Same Dimension

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



64.3849, 0.3180, 0.3699



91.3329, 0.3191, 0.3800



63.4114, 0.3063, 0.3622



14.7899, 0.3159, 0.3529



30.7382, 0.3138, 0.5891



2.0351, 0.3261, 0.5793



# Inverse Universe

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



52.1618, 0.3064, 0.2895



70.2969, 0.3048, 0.2802



53.2941, 0.3198, 0.2979



13.0735, 0.3091, 0.3056



7.2177, 0.2483, 0.1142



0.5111, 0.2605, 0.1209



# Previews

## White Background



This preview shows how the Yxy color 64.3821, 0.3180, 0.3699 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 64.3821, 0.3180, 0.3699 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

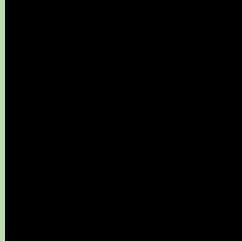
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

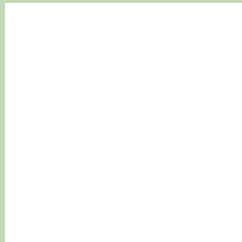
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.3821, 0.3180, 0.3699**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.3821, 0.3180, 0.3699.

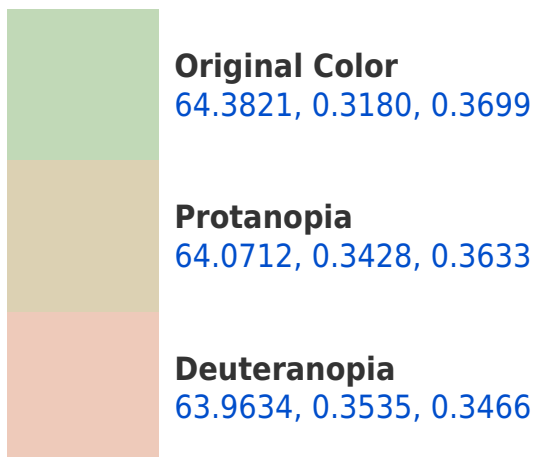


This preview shows how white text looks on a background with the Yxy color 64.3821, 0.3180, 0.3699.

# 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





## Tritanopia

64.4139, 0.2942, 0.3108

# Trichromacy



**Original Color**

64.3821, 0.3180, 0.3699

**Protanomaly**

64.0839, 0.3336, 0.3664

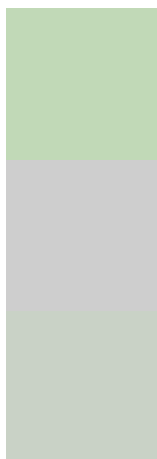
**Deuteranomaly**

63.6580, 0.3403, 0.3540

**Tritanomaly**

64.1620, 0.3025, 0.3313

# Monochromacy



**Original Color**

64.3821, 0.3180, 0.3699

**Achromatopsia**

61.7207, 0.3127, 0.3290

**Achromatomaly**

62.5879, 0.3143, 0.3431

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.3821, 0.3180, 0.3699 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, 217, 183)` looks like.

```
.text, #text, p{  
    color:rgb(193, 217, 183)  
}
```

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, 217, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 217, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 64.3821, 0.3180, 0.3699 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, 217, 183) }
```

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

```
.border{ border-color:rgb(193, 217, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 217, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 217, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 217, 183);  
box-shadow:4px 4px 4px 4px rgb(193, 217,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.3821, 0.3180, 0.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 217, 183) }
```

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

```
.background{ background-color: rgb(193,  
217, 183) }
```

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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