

# Converting Colors

$Yxy(64.5640, 0.3209, 0.3722)$

Have a look what the booklet for  
Yxy(64.5640, 0.3209, 0.3722)  
contains.

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# Color

**Yxy(64.5640, 0.3209, 0.3722)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3D9B5
RGB	195, 217, 181
RGB Percent	76%, 85%, 71%
CMY	0.2351, 0.1490, 0.2902
CMYK	0.10, 0.00, 0.17, 0.15
HSL	97°, 32%, 78%
HSV	97°, 17%, 85%
XYZ	55.6652, 64.5640, 53.2367
YIQ	206.3180, -1.5560, -15.8600

# Conversions

## Conversions Part 2

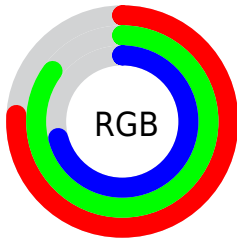
Format	Color
R <sub>YB</sub>	181, 217, 203
Decimal	12835253
CIE Lab	84.26, -13.82, 15.30
CIE LCh	84, 20.617, 132.091
Yxy	64.5640, 0.3209, 0.3722
Android (android.graphics.Color)	4291025333 (0xFFC3D9B5)
YUV	206.3180, -12.4818, -9.9259
Hunter-Lab	80.3517, -16.9562, 16.9639

# Details

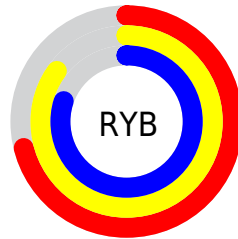
The Yxy color **64.5640, 0.3209, 0.3722** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.7410, 0.3031, 0.2867**, and the grayscale version is **62.0228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3299, 0.3213, 0.3465**, and **33.0619, 0.3225, 0.3835** is the 20% darker color. If you saturate the color by 10%, you get **62.0586, 0.3255, 0.4013**, and if you desaturate by 10%, it is **67.3699, 0.3160, 0.3454**.

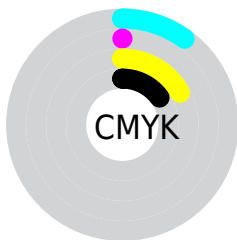
# Distribution



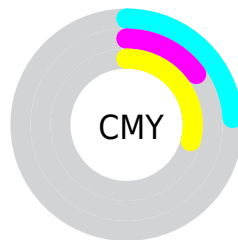
- Red (76%)
- Green (85%)
- Blue (71%)



- Red (71%)
- Yellow (85%)
- Blue (80%)



- Cyan (10%)
- Magenta (0%)
- Yellow (17%)
- Black (15%)




- Cyan (24%)
- Magenta (15%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5640, 0.3209, 0.3722 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 64.5640, 0.3209, 0.3722 by changing the saturation by 10% instead.




 64.5640, 0.3209,  
0.3722

 64.5640, 0.3209,  
0.3722


441.2235, 0.3173,  
0.3513

 47.1076, 0.3217,  
0.3772


 111.4228, 0.3197,  
0.3647

 33.1207, 0.3226,  
0.3836


141.5940, 0.3192,  
0.3619

 22.2190, 0.3237,  
0.3918


176.7723, 0.3188,  
0.3595

 14.0179, 0.3250,  
0.4029

217.3420, 0.3184,  
0.3574

 8.1331, 0.3266,  
0.4188

263.6876, 0.3181,  
0.3556

 4.1802, 0.3283,  
0.4431

316.1935, 0.3178,

 1.7749, 0.3321,

0.3540

0.4890

375.2440, 0.3175,  
0.3526

0.4714, 0.1902,  
0.8098

0.0000, 0.0000,  
0.0000

64.5640, 0.3209,  
0.3722

64.5640, 0.3209,  
0.3722

62.0586, 0.3255,  
0.4013

67.3699, 0.3160,  
0.3454

59.8350, 0.3295,  
0.4320

70.4778, 0.3110,  
0.3210

57.8848, 0.3326,  
0.4635

73.8999, 0.3061,  
0.2991

56.1960, 0.3344,  
0.4943

76.7941, 0.3095,  
0.2915

■ 54.7558, 0.3345,  
0.5228

■ 78.1038, 0.3145,  
0.2920

■ 53.5499, 0.3328,  
0.5473

■ 52.5621, 0.3292,  
0.5662

■ 51.7730, 0.3241,  
0.5789

■ 51.5400, 0.3223,  
0.5823

# Harmonies

## Analogous

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



64.5640, 0.3450, 0.3741



64.5640, 0.3209, 0.3722



64.5640, 0.2953, 0.3571

# Triad

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



64.5640, 0.3209, 0.3722



64.5640, 0.2665, 0.2930



64.5640, 0.3517, 0.3227

# Complementary

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



64.5640, 0.3209, 0.3722



50.7410, 0.3031, 0.2867

# 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.



64.5640, 0.3292, 0.3031



64.5640, 0.3209, 0.3722



64.5640, 0.2802, 0.2861

# Square

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



64.5640, 0.3209, 0.3722



64.5640, 0.2646, 0.3101



64.5640, 0.3029, 0.2899



64.5640, 0.3634, 0.3445



# Rectangle

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



64.5640, 0.3209, 0.3722



64.5640, 0.2807, 0.3420



64.5640, 0.3029, 0.2899



64.5640, 0.3450, 0.3157

# Sweetspot

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



64.5668, 0.3209, 0.3722



97.7610, 0.3152, 0.3414



60.6066, 0.3401, 0.3541



20.8595, 0.3156, 0.3432



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

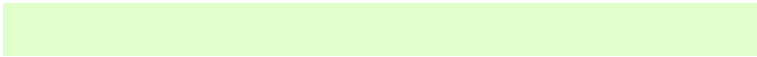


# Same Dimension

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



64.5668, 0.3209, 0.3722



91.7112, 0.3226, 0.3824



62.9315, 0.3083, 0.3690



14.8527, 0.3174, 0.3528



31.2577, 0.3233, 0.5815



2.0739, 0.3363, 0.5712



# Inverse Universe

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



50.7410, 0.3031, 0.2867



68.0846, 0.3007, 0.2769



52.6181, 0.3175, 0.2920



13.0081, 0.3076, 0.3055



6.0805, 0.2257, 0.1017

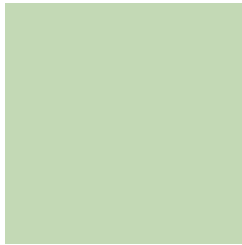


0.4432, 0.2411, 0.1102



# Previews

## White Background



This preview shows how the Yxy color 64.5640, 0.3209, 0.3722 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

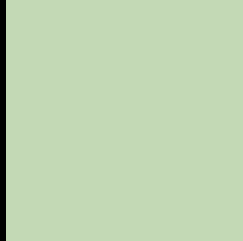
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.5640, 0.3209, 0.3722 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

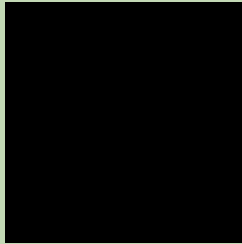
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

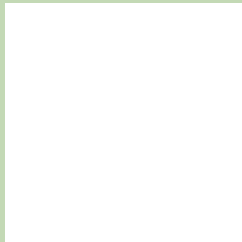
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.5640, 0.3209, 0.3722**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.5640, 0.3209, 0.3722.

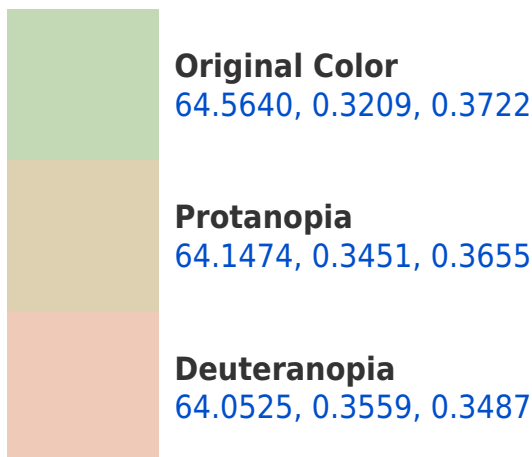


This preview shows how white text looks on a background with the Yxy color 64.5640, 0.3209, 0.3722.

# 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

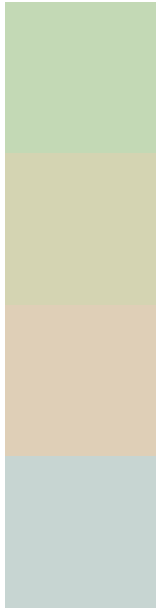




## Tritanopia

64.6911, 0.2956, 0.3108

# Trichromacy



**Original Color**

64.5640, 0.3209, 0.3722

**Protanomaly**

64.2984, 0.3366, 0.3685

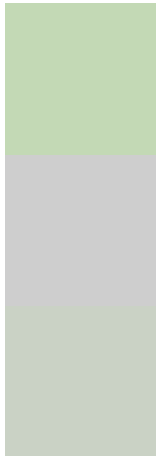
**Deuteranomaly**

63.7325, 0.3426, 0.3563

**Tritanomaly**

64.3838, 0.3046, 0.3325

# Monochromacy



**Original Color**

64.5640, 0.3209, 0.3722

**Achromatopsia**

61.7207, 0.3127, 0.3290

**Achromatomaly**

62.6810, 0.3157, 0.3443

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.5640, 0.3209, 0.3722 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(195, 217, 181)` looks like.

```
.text, #text, p{  
    color:rgb(195, 217, 181)  
}
```

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(195, 217, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 217, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 64.5640, 0.3209, 0.3722 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(195, 217, 181) }
```

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

```
.border{ border-color:rgb(195, 217, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 217, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 217, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 217, 181);  
box-shadow:4px 4px 4px 4px rgb(195, 217,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.5640, 0.3209, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 217, 181) }
```

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

```
.background{ background-color: rgb(195,  
217, 181) }
```

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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