

# Converting Colors

$Yxy(63.2589, 0.3197, 0.3481)$

Have a look what the booklet for  
Yxy(63.2589, 0.3197, 0.3481)  
contains.

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# Color

**Yxy(63.4627, 0.3200, 0.3489)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDD3C2
RGB	205, 211, 194
RGB Percent	80%, 83%, 76%
CMY	0.1961, 0.1725, 0.2392
CMYK	0.03, 0.00, 0.08, 0.17
HSL	81°, 16%, 79%
HSV	81°, 8%, 83%
XYZ	58.2060, 63.4627, 60.2250
YIQ	207.2680, 1.8810, -6.5590

# Conversions

## Conversions Part 2

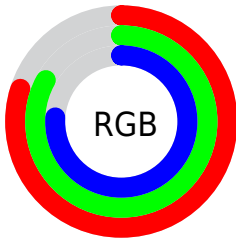
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 211, 200
Decimal	13489090
CIELab	83.69, -5.08, 7.70
CIELCh	84, 9.222, 123.411
Yxy	63.4627, 0.3200, 0.3489
Android (android.graphics.Color)	4291679170 (0xFFCDD3C2)
YUV	207.2680, -6.5411, -1.9890
Hunter-Lab	79.6635, -8.9904, 10.9416

# Details

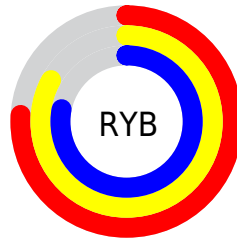
The Yxy color **63.4627, 0.3200, 0.3489** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.5751, 0.3050, 0.3089**, and the grayscale version is **62.6210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6821, 0.3156, 0.3338**, and **32.5867, 0.3223, 0.3554** is the 20% darker color. If you saturate the color by 10%, you get **61.5455, 0.3291, 0.3751**, and if you desaturate by 10%, it is **65.5709, 0.3110, 0.3244**.

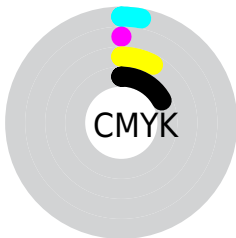
# Distribution



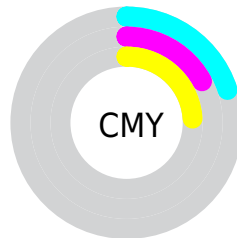
- Red (80%)
- Green (83%)
- Blue (76%)



- Red (76%)
- Yellow (83%)
- Blue (78%)



- Cyan (3%)
- Magenta (0%)
- Yellow (8%)
- Black (17%)



- Cyan (20%)
- Magenta (17%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4627, 0.3200, 0.3489 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 63.4627, 0.3200, 0.3489 by changing the saturation by 10% instead.



■ 63.4627, 0.3200,  
0.3489

■ 63.4627, 0.3200,  
0.3489

437.2468, 0.3166,  
0.3394

■ 46.2156, 0.3208,  
0.3512

■ 109.8368, 0.3188,  
0.3455

■ 32.4160, 0.3218,  
0.3540

139.7326, 0.3183,  
0.3442

■ 21.6795, 0.3230,  
0.3577

174.6134, 0.3180,  
0.3431

■ 13.6216, 0.3247,  
0.3626

214.8636, 0.3176,  
0.3422

■ 7.8579, 0.3269,  
0.3696

260.8677, 0.3173,  
0.3413

■ 4.0042, 0.3302,  
0.3803

313.0100, 0.3170,

■ 1.6759, 0.3354,

0.3406

371.6749, 0.3168,  
0.3400

0.3985

0.4080, 0.3927,  
0.6073

0.0000, 0.0000,  
0.0000

63.4627, 0.3200,  
0.3489

63.4627, 0.3200,  
0.3489

61.5455, 0.3291,  
0.3751

65.5709, 0.3110,  
0.3244

59.8046, 0.3379,  
0.4027

67.8678, 0.3022,  
0.3018

58.2361, 0.3462,  
0.4308

70.2120, 0.2954,  
0.2835

56.8327, 0.3533,  
0.4586

71.4575, 0.3006,  
0.2842

■ 55.5866, 0.3589,  
0.4849

■ 72.7565, 0.3058,  
0.2849

■ 54.4889, 0.3624,  
0.5084

■ 74.1096, 0.3111,  
0.2856

■ 53.5301, 0.3636,  
0.5279

■ 75.0731, 0.3147,  
0.2861

■ 52.6986, 0.3622,  
0.5426

■ 51.9785, 0.3586,  
0.5524

# Harmonies

## Analogous

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



63.4627, 0.3299, 0.3484



63.4627, 0.3200, 0.3489



63.4627, 0.3083, 0.3438

# Triad

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



63.4627, 0.3200, 0.3489



63.4627, 0.2907, 0.3148



63.4627, 0.3277, 0.3235

# Complementary

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



63.4627, 0.3200, 0.3489



55.5751, 0.3050, 0.3089

# 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.



63.4627, 0.3169, 0.3149



63.4627, 0.3200, 0.3489



63.4627, 0.2956, 0.3098

# Square

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



63.4627, 0.3200, 0.3489



63.4627, 0.2915, 0.3238



63.4627, 0.3052, 0.3099



63.4627, 0.3344, 0.3336



# Rectangle

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



63.4627, 0.3200, 0.3489



63.4627, 0.3010, 0.3379



63.4627, 0.3052, 0.3099



63.4627, 0.3244, 0.3203

# Sweetspot

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



63.4654, 0.3200, 0.3489



99.3347, 0.3145, 0.3339



59.0352, 0.3258, 0.3360



21.2687, 0.3144, 0.3336



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.



63.4654, 0.3200, 0.3489



96.7913, 0.3219, 0.3542



62.2994, 0.3137, 0.3493



13.5793, 0.3212, 0.3523



31.3457, 0.3588, 0.5533



1.7962, 0.3700, 0.5444



# Inverse Universe

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



55.5751, 0.3050, 0.3089



81.8059, 0.3029, 0.3035



56.7677, 0.3116, 0.3093



11.6186, 0.3036, 0.3054



3.7879, 0.1781, 0.0755

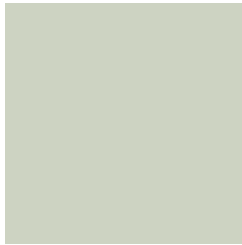


0.2558, 0.1991, 0.0870



# Previews

## White Background



This preview shows how the Yxy color 63.4627, 0.3200, 0.3489 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

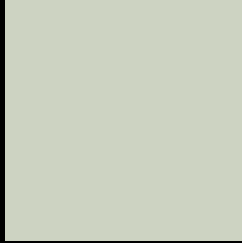
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.4627, 0.3200, 0.3489 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

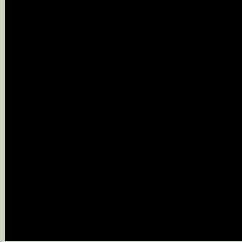
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

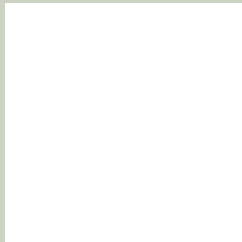
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.4627, 0.3200, 0.3489**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.4627, 0.3200, 0.3489.



This preview shows how white text looks on a background with the Yxy color 63.4627, 0.3200, 0.3489.

# 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

63.4627, 0.3200, 0.3489

### Protanopia

63.5165, 0.3303, 0.3474

### Deuteranopia

63.0824, 0.3419, 0.3346



## Tritanopia

63.5087, 0.3032, 0.3109

# Trichromacy



## Original Color

63.4627, 0.3200, 0.3489

## Protanomaly

63.4482, 0.3263, 0.3475

## Deuteranomaly

63.2907, 0.3340, 0.3403

## Tritanomaly

63.2751, 0.3099, 0.3244

# Monochromacy



## Original Color

63.4627, 0.3200, 0.3489

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

62.4978, 0.3154, 0.3360

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.4627, 0.3200, 0.3489 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(205, 211, 194)` looks like.

```
.text, #text, p{  
    color:rgb(205, 211, 194)  
}
```

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(205, 211, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 211, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 63.4627, 0.3200, 0.3489 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(205, 211, 194) }
```

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

```
.border{ border-color:rgb(205, 211, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 211, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 211, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 211, 194);  
box-shadow:4px 4px 4px 4px rgb(205, 211,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.4627, 0.3200, 0.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 211, 194) }
```

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

```
.background{ background-color: rgb(205,  
211, 194) }
```

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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