

# Converting Colors

$Yxy(63.0262, 0.3255, 0.3478)$

Have a look what the booklet for  
Yxy(63.0262, 0.3255, 0.3478)  
contains.

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# Color

**Yxy(63.1083, 0.3255, 0.3488)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2D1C0
RGB	210, 209, 192
RGB Percent	82%, 82%, 75%
CMY	0.1764, 0.1804, 0.2472
CMYK	0.00, 0.00, 0.09, 0.18
HSL	57°, 17%, 79%
HSV	57°, 9%, 82%
XYZ	58.8926, 63.1083, 58.9288
YIQ	207.3610, 6.0530, -5.0750

# Conversions

## Conversions Part 2

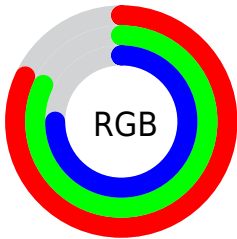
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 210, 192
Decimal	13816256
CIELab	83.50, -2.61, 8.56
CIELCh	83, 8.954, 106.971
Yxy	63.1083, 0.3255, 0.3488
Android (android.graphics.Color)	4292006336 (0xFFD2D1C0)
YUV	207.3610, -7.5730, 2.3144
Hunter-Lab	79.4407, -6.6920, 11.6274

# Details

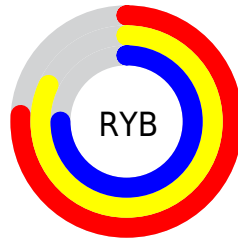
The Yxy color **63.1083, 0.3255, 0.3488** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.9864, 0.2995, 0.3084**, and the grayscale version is **62.6898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.5573, 0.3168, 0.3357**, and **32.2753, 0.3276, 0.3537** is the 20% darker color. If you saturate the color by 10%, you get **61.6731, 0.3409, 0.3725**, and if you desaturate by 10%, it is **64.6861, 0.3107, 0.3258**.

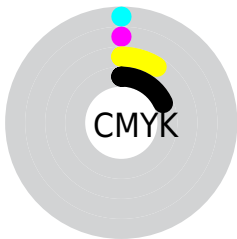
# Distribution



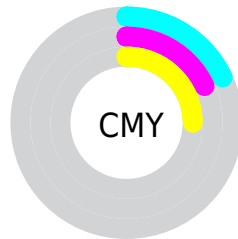
- Red (82%)
- Green (82%)
- Blue (75%)



- Red (76%)
- Yellow (82%)
- Blue (75%)



- Cyan (0%)
- Magenta (0%)
- Yellow (9%)
- Black (18%)



- Cyan (18%)
- Magenta (18%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.1083, 0.3255, 0.3488 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 63.1083, 0.3255, 0.3488 by changing the saturation by 10% instead.



■ 63.1083, 0.3255,  
0.3488

■ 63.1083, 0.3255,  
0.3488

435.9624, 0.3195,  
0.3393

■ 45.9288, 0.3269,  
0.3510

■ 109.3257, 0.3234,  
0.3455

■ 32.1897, 0.3287,  
0.3538

139.1325, 0.3226,  
0.3442

■ 21.5064, 0.3309,  
0.3575

173.9171, 0.3219,  
0.3431

■ 13.4947, 0.3340,  
0.3623

214.0641, 0.3212,  
0.3421

■ 7.7701, 0.3381,  
0.3692

259.9577, 0.3207,  
0.3413

■ 3.9482, 0.3444,  
0.3795

311.9823, 0.3202,

■ 1.6446, 0.3545,

0.3406

0.3969

370.5224, 0.3198,  
0.3399

0.3874, 0.4400,  
0.5600

0.0000, 0.0000,  
0.0000

63.1083, 0.3255,  
0.3488

63.1083, 0.3255,  
0.3488

61.6731, 0.3409,  
0.3725

64.6861, 0.3107,  
0.3258

60.3665, 0.3566,  
0.3963

66.4035, 0.2967,  
0.3040

59.1854, 0.3720,  
0.4195

68.2682, 0.2837,  
0.2836

58.1233, 0.3866,  
0.4410

68.8594, 0.2838,  
0.2848

■ 57.1730, 0.3998,  
0.4600

■ 69.4533, 0.2838,  
0.2861

■ 56.3267, 0.4109,  
0.4755

■ 70.0514, 0.2839,  
0.2874

■ 55.5755, 0.4196,  
0.4869

■ 70.6538, 0.2840,  
0.2887

■ 54.9088, 0.4255,  
0.4938

■ 71.2605, 0.2840,  
0.2900

■ 54.3104, 0.4291,  
0.4969

■ 71.8715, 0.2841,  
0.2913

# Harmonies

## Analogous

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



63.1083, 0.3330, 0.3454



63.1083, 0.3255, 0.3488



63.1083, 0.3147, 0.3467

# Triad

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



63.1083, 0.3255, 0.3488



63.1083, 0.2910, 0.3196



63.1083, 0.3218, 0.3187

# Complementary

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



63.1083, 0.3255, 0.3488



53.9864, 0.2995, 0.3084

# 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.



63.1083, 0.3104, 0.3121



63.1083, 0.3255, 0.3488



63.1083, 0.2928, 0.3124

# Square

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



63.1083, 0.3255, 0.3488



63.1083, 0.2949, 0.3296



63.1083, 0.2999, 0.3098



63.1083, 0.3308, 0.3280



# Rectangle

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



63.1083, 0.3255, 0.3488



63.1083, 0.3071, 0.3424



63.1083, 0.2999, 0.3098



63.1083, 0.3181, 0.3161

# Sweetspot

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



63.1111, 0.3255, 0.3488



99.2451, 0.3172, 0.3359



55.2480, 0.3266, 0.3276



21.2001, 0.3184, 0.3378



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.



63.1111, 0.3255, 0.3488



97.5611, 0.3278, 0.3524



62.4867, 0.3194, 0.3503



13.6799, 0.3267, 0.3507



33.1245, 0.4293, 0.4973



1.8873, 0.4273, 0.4989



# Inverse Universe

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



53.9864, 0.2995, 0.3084



81.0686, 0.2970, 0.3045



54.5907, 0.3056, 0.3076



11.5219, 0.2982, 0.3063



3.0421, 0.1511, 0.0639

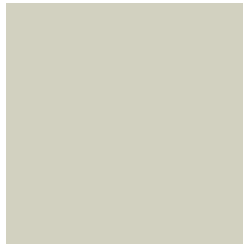


0.2081, 0.1545, 0.0763



# Previews

## White Background



This preview shows how the Yxy color 63.1083, 0.3255, 0.3488 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

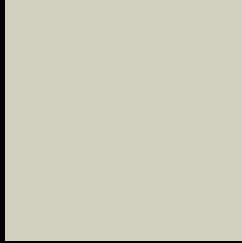
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.1083, 0.3255, 0.3488 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

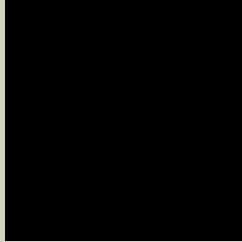
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

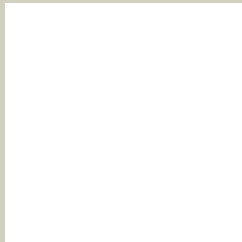
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.1083, 0.3255, 0.3488**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.1083, 0.3255, 0.3488.



This preview shows how white text looks on a background with the Yxy color 63.1083, 0.3255, 0.3488.

# 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

63.1083, 0.3255, 0.3488

### Protanopia

62.9862, 0.3311, 0.3474

### Deuteranopia

62.9920, 0.3434, 0.3368



## Tritanopia

63.1792, 0.3083, 0.3111

# Trichromacy



## Original Color

63.1083, 0.3255, 0.3488

## Protanomaly

63.1695, 0.3294, 0.3486

## Deuteranomaly

63.0435, 0.3372, 0.3414

## Tritanomaly

62.9419, 0.3152, 0.3245

# Monochromacy



## Original Color

63.1083, 0.3255, 0.3488

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

62.7859, 0.3169, 0.3360

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.1083, 0.3255, 0.3488 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(210, 209, 192) looks like.

```
.text, #text, p{  
    color:rgb(210, 209, 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(210, 209, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 209, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 63.1083, 0.3255, 0.3488 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(210, 209, 192) }
```

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

```
.border{ border-color:rgb(210, 209, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 209, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(210, 209, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(210, 209, 192); box-shadow:4px 4px 4px 4px rgb(210, 209, 192) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.1083, 0.3255, 0.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 209, 192) }
```

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

```
.background{ background-color: rgb(210,  
209, 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](#).

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