

# Converting Colors

Yxy(64.7768, 0.3244, 0.3579)

Have a look what the booklet for  
Yxy(64.7768, 0.3244, 0.3579)  
contains.

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# Color

**Yxy(64.8891, 0.3240, 0.3582)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CED6BD
RGB	206, 214, 189
RGB Percent	81%, 84%, 74%
CMY	0.1920, 0.1608, 0.2589
CMYK	0.04, 0.00, 0.12, 0.16
HSL	79°, 23%, 79%
HSV	79°, 12%, 84%
XYZ	58.6937, 64.8891, 57.5705
YIQ	208.7580, 3.2570, -9.4710

# Conversions

## Conversions Part 2

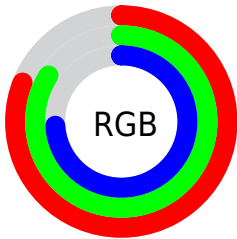
Format	Color
R <sub>YB</sub>	189, 214, 197
Decimal	13555389
CIE Lab	84.43, -7.09, 11.42
CIE LCh	84, 13.446, 121.827
Yxy	64.8891, 0.3240, 0.3582
Android (android.graphics.Color)	4291745469 (0xFFCED6BD)
YUV	208.7580, -9.7407, -2.4188
Hunter-Lab	80.5538, -10.9092, 14.0140

# Details

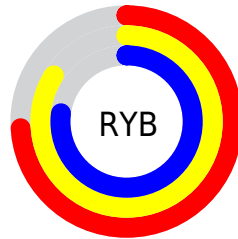
The Yxy color  $64.8891, 0.3240, 0.3582$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $53.1094, 0.3005, 0.2992$ , and the grayscale version is  $63.6629, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $99.3726, 0.3185, 0.3386$ , and  $33.2492, 0.3267, 0.3647$  is the 20% darker color. If you saturate the color by 10%, you get  $63.0770, 0.3337, 0.3848$ , and if you desaturate by 10%, it is  $66.8862, 0.3143, 0.3331$ .

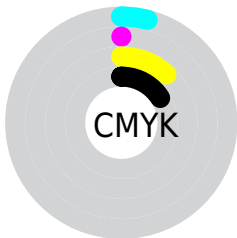
# Distribution



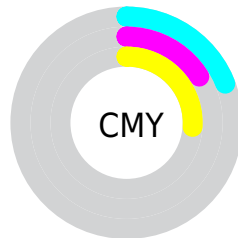
- Red (81%)
- Green (84%)
- Blue (74%)



- Red (74%)
- Yellow (84%)
- Blue (77%)



- Cyan (4%)
- Magenta (0%)
- Yellow (12%)
- Black (16%)




- Cyan (19%)
- Magenta (16%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8891, 0.3240, 0.3582 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 64.8891, 0.3240, 0.3582 by changing the saturation by 10% instead.





 64.8891, 0.3240,  
0.3582

 64.8891, 0.3240,  
0.3582

442.3933, 0.3188,  
0.3442

 47.3712, 0.3252,  
0.3615


 111.8904, 0.3222,  
0.3533

 33.3292, 0.3267,  
0.3657


142.1426, 0.3215,  
0.3514

 22.3787, 0.3285,  
0.3711


177.4082, 0.3209,  
0.3497

 14.1354, 0.3310,  
0.3783

218.0718, 0.3203,  
0.3483

 8.2149, 0.3343,  
0.3885

264.5177, 0.3199,  
0.3471

 4.2328, 0.3390,  
0.4040

317.1304, 0.3195,

 1.8046, 0.3459,

0.3460

0.4300

376.2941, 0.3191,  
0.3451

0.4900, 0.3739,  
0.6261

0.0000, 0.0000,  
0.0000

64.8891, 0.3240,  
0.3582

64.8891, 0.3240,  
0.3582

63.0770, 0.3337,  
0.3848

66.8862, 0.3143,  
0.3331

61.4348, 0.3430,  
0.4124

69.0658, 0.3049,  
0.3097

59.9584, 0.3516,  
0.4401

71.4367, 0.2959,  
0.2883

58.6403, 0.3588,  
0.4669

72.6776, 0.2994,  
0.2871

■ 57.4723, 0.3643,  
0.4917

■ 73.8467, 0.3041,  
0.2877

■ 56.4453, 0.3676,  
0.5131

■ 75.0605, 0.3089,  
0.2883

■ 55.5489, 0.3684,  
0.5302

■ 76.3194, 0.3137,  
0.2889

■ 54.7708, 0.3667,  
0.5424

■ 76.5700, 0.3146,  
0.2891

■ 54.1964, 0.3638,  
0.5493

# Harmonies

## Analogous

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



64.8891, 0.3382, 0.3569



64.8891, 0.3240, 0.3582



64.8891, 0.3071, 0.3511

# Triad

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



64.8891, 0.3240, 0.3582



64.8891, 0.2809, 0.3089



64.8891, 0.3336, 0.3203

# Complementary

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



64.8891, 0.3240, 0.3582



53.1094, 0.3005, 0.2992

# 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.



64.8891, 0.3178, 0.3083



64.8891, 0.3240, 0.3582



64.8891, 0.2875, 0.3016

# Square

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



64.8891, 0.3240, 0.3582



64.8891, 0.2825, 0.3220



64.8891, 0.3009, 0.3015



64.8891, 0.3439, 0.3347



# Rectangle

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



64.8891, 0.3240, 0.3582



64.8891, 0.2965, 0.3426



64.8891, 0.3009, 0.3015



64.8891, 0.3287, 0.3158

# Sweetspot

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



64.8919, 0.3240, 0.3582



98.7504, 0.3166, 0.3388



57.8606, 0.3325, 0.3383



21.0874, 0.3173, 0.3407



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

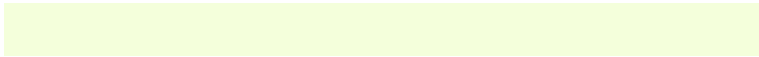


# Same Dimension

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



64.8919, 0.3240, 0.3582



95.8206, 0.3264, 0.3646



63.1771, 0.3147, 0.3590



14.3128, 0.3218, 0.3524



32.8183, 0.3646, 0.5487



2.0228, 0.3743, 0.5410



# Inverse Universe

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



53.1094, 0.3005, 0.2992



74.9707, 0.2977, 0.2925



54.8621, 0.3104, 0.3001



12.1984, 0.3030, 0.3052



3.7278, 0.1730, 0.0727



0.2686, 0.1922, 0.0832



# Previews

## White Background



This preview shows how the Yxy color 64.8891, 0.3240, 0.3582 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

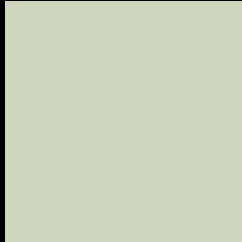
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.8891, 0.3240, 0.3582 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

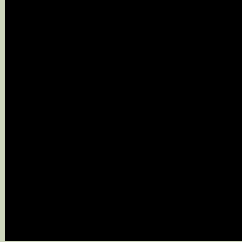
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

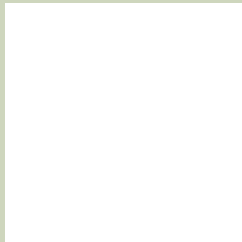
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.8891, 0.3240, 0.3582**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.8891, 0.3240, 0.3582.



This preview shows how white text looks on a background with the Yxy color 64.8891, 0.3240, 0.3582.

# 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

64.8891, 0.3240, 0.3582

### Protanopia

64.8967, 0.3367, 0.3552

### Deuteranopia

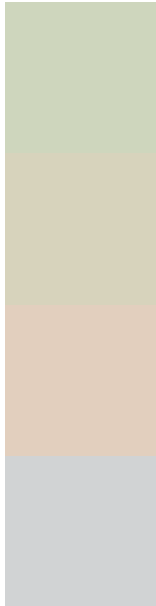
64.6506, 0.3494, 0.3421



## Tritanopia

64.8861, 0.3033, 0.3111

# Trichromacy



## Original Color

64.8891, 0.3240, 0.3582

## Protanomaly

64.6664, 0.3320, 0.3554

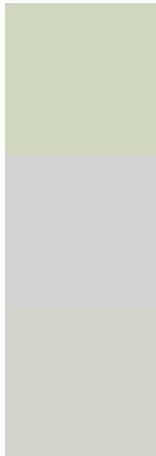
## Deuteranomaly

64.5121, 0.3398, 0.3481

## Tritanomaly

64.8973, 0.3106, 0.3279

# Monochromacy



## Original Color

64.8891, 0.3240, 0.3582

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.2627, 0.3167, 0.3394

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.8891, 0.3240, 0.3582 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(206, 214, 189)` looks like.

```
.text, #text, p{  
    color:rgb(206, 214, 189)  
}
```

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(206, 214, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 214, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 64.8891, 0.3240, 0.3582 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(206, 214, 189) }
```

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

```
.border{ border-color:rgb(206, 214, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 214, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 214, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 214, 189);  
box-shadow:4px 4px 4px 4px rgb(206, 214,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.8891, 0.3240, 0.3582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 214, 189) }
```

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

```
.background{ background-color: rgb(206,  
214, 189) }
```

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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