

# Converting Colors

$Yxy(64.3980, 0.3533, 0.4293)$

Have a look what the booklet for  
Yxy(64.3980, 0.3533, 0.4293)  
contains.

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# Color

**Yxy(64.4181, 0.3534, 0.4295)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6DB87
RGB	198, 219, 135
RGB Percent	78%, 86%, 53%
CMY	0.2233, 0.1412, 0.4706
CMYK	0.10, 0.00, 0.38, 0.14
HSL	75°, 54%, 69%
HSV	75°, 38%, 86%
XYZ	53.0043, 64.4181, 32.5615
YIQ	203.1450, 14.4480, -30.5760

# Conversions

## Conversions Part 2

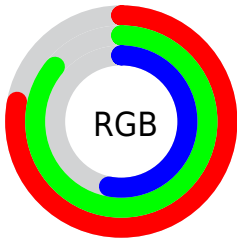
Format	Color
<a href="#">RYB</a>	<a href="#">135, 219, 156</a>
Decimal	<a href="#">13032327</a>
CIELab	<a href="#">84.18, -20.27, 38.98</a>
CIELCh	<a href="#">84, 43.938, 117.471</a>
Yxy	<a href="#">64.4181, 0.3534, 0.4295</a>
Android (android.graphics.Color)	<a href="#">4291222407 (0xFFC6DB87)</a>
YUV	<a href="#">203.1450, -33.5955, -4.5122</a>
Hunter-Lab	<a href="#">80.2609, -22.5751, 32.1289</a>

# Details

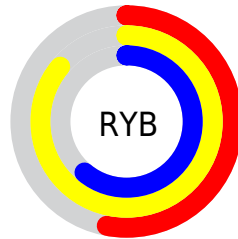
The Yxy color **64.4181, 0.3534, 0.4295** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.5038, 0.2594, 0.2177**, and the grayscale version is **60.0321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4541, 0.3520, 0.3939**, and **33.0307, 0.3608, 0.4549** is the 20% darker color. If you saturate the color by 10%, you get **63.1375, 0.3624, 0.4557**, and if you desaturate by 10%, it is **65.8581, 0.3433, 0.4025**.

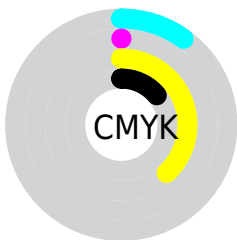
# Distribution



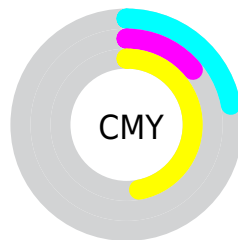
- Red (78%)
- Green (86%)
- Blue (53%)



- Red (53%)
- Yellow (86%)
- Blue (61%)



- Cyan (10%)
- Magenta (0%)
- Yellow (38%)
- Black (14%)




- Cyan (22%)
- Magenta (14%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4181, 0.3534, 0.4295 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 64.4181, 0.3534, 0.4295 by changing the saturation by 10% instead.



 64.4181, 0.3534,  
0.4295

 64.4181, 0.3534,  
0.4295


440.6979, 0.3357,  
0.3807

 46.9894, 0.3570,  
0.4410


 111.2129, 0.3476,  
0.4122

 33.0273, 0.3611,  
0.4554


 141.3477, 0.3452,  
0.4056

 22.1473, 0.3657,  
0.4737


 176.4867, 0.3431,  
0.3999

 13.9652, 0.3705,  
0.4976

217.0142, 0.3413,  
0.3950

 8.0965, 0.3747,  
0.5296

263.3147, 0.3397,  
0.3908

 4.1567, 0.3849,  
0.5883

315.7726, 0.3382,

 1.7616, 0.3638,

0.3870

0.6362

374.7722, 0.3369,  
0.3837

0.4631, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

64.4181, 0.3534,  
0.4295

64.4181, 0.3534,  
0.4295

63.1375, 0.3624,  
0.4557

65.8581, 0.3433,  
0.4025

61.9995, 0.3698,  
0.4801


67.4562, 0.3326,  
0.3756

60.9980, 0.3750,  
0.5013

69.2223, 0.3217,  
0.3496


60.1229, 0.3778,  
0.5185

71.1627, 0.3110,  
0.3251


 59.3621, 0.3780,  
0.5310


 73.2837, 0.3006,  
0.3022


 58.6983, 0.3758,  
0.5390

 74.8350, 0.2978,  
0.2922

 58.5941, 0.3754,  
0.5401

 75.7565, 0.3015,  
0.2926

 76.7066, 0.3052,  
0.2930

 77.6855, 0.3089,  
0.2934

# Harmonies

## Analogous

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



64.4181, 0.3989, 0.4141



64.4181, 0.3534, 0.4295



64.4181, 0.2993, 0.4121

# Triad

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



64.4181, 0.3534, 0.4295



64.4181, 0.2139, 0.2664



64.4181, 0.3741, 0.2944

# Complementary

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



64.4181, 0.3534, 0.4295



29.5038, 0.2594, 0.2177

# 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.



64.4181, 0.3188, 0.2620



64.4181, 0.3534, 0.4295



64.4181, 0.2295, 0.2448

# Square

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



64.4181, 0.3534, 0.4295



64.4181, 0.2212, 0.3092



64.4181, 0.2663, 0.2442



64.4181, 0.4133, 0.3355



# Rectangle

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



64.4181, 0.3534, 0.4295



64.4181, 0.2658, 0.3827



64.4181, 0.2663, 0.2442



64.4181, 0.3565, 0.2823

# Sweetspot

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



64.4210, 0.3534, 0.4295



96.7656, 0.3258, 0.3592



40.1173, 0.3981, 0.3530



20.6411, 0.3272, 0.3626



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

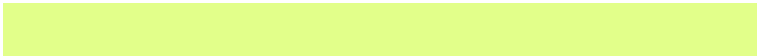


# Same Dimension

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



64.4210, 0.3534, 0.4295



89.4767, 0.3607, 0.4507



59.6158, 0.3226, 0.4402



15.0920, 0.3229, 0.3524



34.8008, 0.3761, 0.5396



2.2941, 0.3834, 0.5338



# Inverse Universe

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



29.5038, 0.2594, 0.2177



33.5196, 0.2453, 0.1912



34.2578, 0.2960, 0.2285



12.7732, 0.3019, 0.3051



3.5510, 0.1648, 0.0681

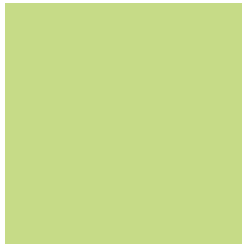


0.2707, 0.1815, 0.0774



# Previews

## White Background



This preview shows how the Yxy color 64.4181, 0.3534, 0.4295 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 64.4181, 0.3534, 0.4295 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

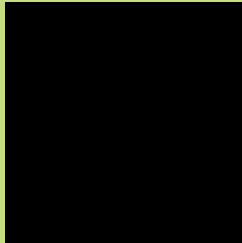
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.4181, 0.3534, 0.4295**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.4181, 0.3534, 0.4295.



This preview shows how white text looks on a background with the Yxy color 64.4181, 0.3534, 0.4295.

# 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

64.4181, 0.3534, 0.4295

### Protanopia

64.3899, 0.3845, 0.4165

### Deuteranopia

63.8681, 0.4025, 0.3927



## Tritanopia

64.2496, 0.3026, 0.3099

# Trichromacy



**Original Color**

64.4181, 0.3534, 0.4295

**Protanomaly**

64.1599, 0.3736, 0.4214

**Deuteranomaly**

63.6164, 0.3834, 0.4053

**Tritanomaly**

64.0145, 0.3221, 0.3524

# Monochromacy



**Original Color**

64.4181, 0.3534, 0.4295

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

61.2328, 0.3285, 0.3662

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.4181, 0.3534, 0.4295 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(198, 219, 135)` looks like.

```
.text, #text, p{  
    color:rgb(198, 219, 135)  
}
```

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(198, 219, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 219, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 64.4181, 0.3534, 0.4295 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(198, 219, 135) }
```

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

```
.border{ border-color:rgb(198, 219, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 219, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 219, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 219, 135);  
box-shadow:4px 4px 4px 4px rgb(198, 219,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.4181, 0.3534, 0.4295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 219, 135) }
```

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

```
.background{ background-color: rgb(198,  
219, 135) }
```

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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