

# Converting Colors

$Yxy(65.6496, 0.3473, 0.3980)$

Have a look what the booklet for  
Yxy(65.6496, 0.3473, 0.3980)  
contains.

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# Color

**Yxy(65.6496, 0.3473, 0.3980)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1D99E
RGB	209, 217, 158
RGB Percent	82%, 85%, 62%
CMY	0.1803, 0.1490, 0.3803
CMYK	0.04, 0.00, 0.27, 0.15
HSL	68°, 44%, 74%
HSV	68°, 27%, 85%
XYZ	57.2867, 65.6496, 42.0124
YIQ	207.8820, 14.1710, -20.0450

# Conversions

## Conversions Part 2

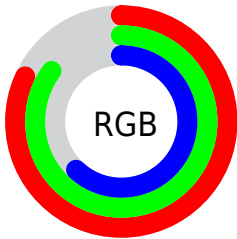
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 217, 166
Decimal	13752734
CIELab	84.82, -12.21, 28.22
CIELCh	85, 30.747, 113.388
Yxy	65.6496, 0.3473, 0.3980
Android (android.graphics.Color)	4291942814 (0xFFD1D99E)
YUV	207.8820, -24.5918, 0.9805
Hunter-Lab	81.0244, -15.5879, 25.9743

# Details

The Yxy color **65.6496, 0.3473, 0.3980** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.5799, 0.2720, 0.2525**, and the grayscale version is **63.1570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **33.7513, 0.3551, 0.4155** is the 20% darker color. If you saturate the color by 10%, you get **64.5460, 0.3596, 0.4238**, and if you desaturate by 10%, it is **66.8988, 0.3345, 0.3720**.

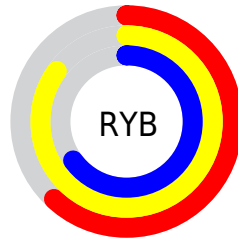
# Distribution



Red (82%)

Green (85%)

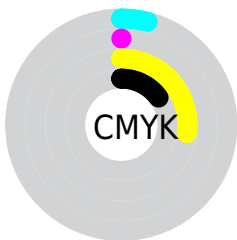
Blue (62%)



Red (62%)

Yellow (85%)

Blue (65%)

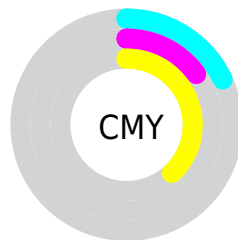


Cyan (4%)

Magenta (0%)

Yellow (27%)

Black (15%)



Cyan (18%)

Magenta (15%)


Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.6496, 0.3473, 0.3980 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 65.6496, 0.3473, 0.3980 by changing the saturation by 10% instead.





 65.6496, 0.3473,  
0.3980

 65.6496, 0.3473,  
0.3980

445.1227, 0.3316,  
0.3649

 47.9880, 0.3508,  
0.4058


 112.9833, 0.3419,  
0.3863

 33.8174, 0.3549,  
0.4156


 143.4241, 0.3398,  
0.3818

 22.7534, 0.3600,  
0.4281

178.8936, 0.3380,  
0.3780

 14.4115, 0.3663,  
0.4447

219.7759, 0.3364,  
0.3746

 8.4074, 0.3740,  
0.4674

266.4556, 0.3350,  
0.3717

 4.3567, 0.3830,  
0.5000

319.3170, 0.3337,

 1.8750, 0.4158,

0.3692

0.5842

378.7446, 0.3326,  
0.3669

0.5333, 0.2815,  
0.7185

0.0000, 0.0000,  
0.0000

65.6496, 0.3473,  
0.3980

65.6496, 0.3473,  
0.3980

64.5460, 0.3596,  
0.4238

66.8988, 0.3345,  
0.3720

63.5724, 0.3708,  
0.4485


68.2914, 0.3217,  
0.3466


62.7240, 0.3805,  
0.4710

69.8364, 0.3092,  
0.3223


61.9923, 0.3880,  
0.4903

71.5393, 0.2973,  
0.2995

 61.3679, 0.3931,  
0.5056

 72.6409, 0.2930,  
0.2895

 60.8396, 0.3956,  
0.5163

 73.1125, 0.2949,  
0.2897

 60.3926, 0.3957,  
0.5228

 73.5923, 0.2969,  
0.2900

 60.2738, 0.3955,  
0.5242

 74.0802, 0.2989,  
0.2902

 74.5763, 0.3009,  
0.2904

# Harmonies

## Analogous

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



65.6496, 0.3769, 0.3870



65.6496, 0.3473, 0.3980



65.6496, 0.3095, 0.3881

# Triad

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



65.6496, 0.3473, 0.3980



65.6496, 0.2416, 0.2893



65.6496, 0.3508, 0.3010

# Complementary

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



65.6496, 0.3473, 0.3980



37.5799, 0.2720, 0.2525

# Split Complementary

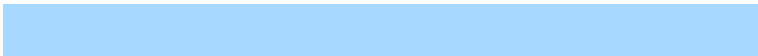
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.6496, 0.3122, 0.2783



65.6496, 0.3473, 0.3980



65.6496, 0.2509, 0.2705

# Square

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



65.6496, 0.3473, 0.3980



65.6496, 0.2497, 0.3214



65.6496, 0.2760, 0.2672



65.6496, 0.3797, 0.3308



# Rectangle

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



65.6496, 0.3473, 0.3980



65.6496, 0.2850, 0.3701



65.6496, 0.2760, 0.2672



65.6496, 0.3384, 0.2924

# Sweetspot

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



65.6525, 0.3473, 0.3980



98.2360, 0.3229, 0.3488



44.4537, 0.3688, 0.3387



20.9590, 0.3248, 0.3526



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.



65.6525, 0.3473, 0.3980



93.6216, 0.3549, 0.4139



61.7544, 0.3247, 0.4033



15.1700, 0.3246, 0.3522



36.5221, 0.3958, 0.5239



2.3913, 0.3999, 0.5207



# Inverse Universe

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



37.5799, 0.2720, 0.2525



46.2610, 0.2610, 0.2325



41.1254, 0.2968, 0.2577



12.7011, 0.3002, 0.3050



3.2199, 0.1555, 0.0630



0.2365, 0.1675, 0.0696



# Previews

## White Background



This preview shows how the Yxy color 65.6496, 0.3473, 0.3980 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 65.6496, 0.3473, 0.3980 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

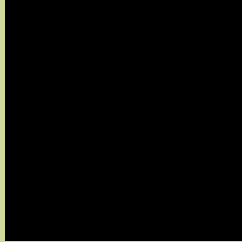
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

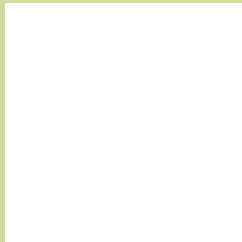
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.6496, 0.3473, 0.3980**

## Background



This preview shows how black text looks on a background with the Yxy color 65.6496, 0.3473, 0.3980.



This preview shows how white text looks on a background with the Yxy color 65.6496, 0.3473, 0.3980.

# 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

65.6496, 0.3473, 0.3980

### Protanopia

65.3197, 0.3648, 0.3908

### Deuteranopia

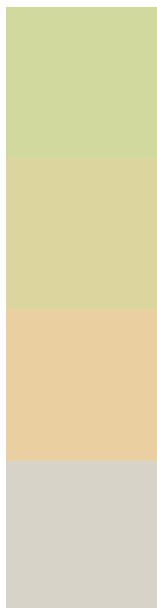
65.4248, 0.3818, 0.3736



## Tritanopia

65.4534, 0.3084, 0.3103

# Trichromacy



## Original Color

65.6496, 0.3473, 0.3980

## Protanomaly

65.2385, 0.3578, 0.3930

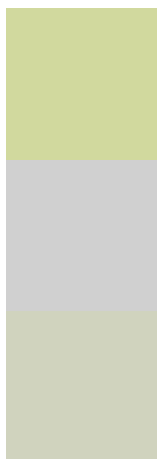
## Deuteranomaly

65.1422, 0.3685, 0.3821

## Tritanomaly

65.2527, 0.3227, 0.3404

# Monochromacy



## Original Color

65.6496, 0.3473, 0.3980

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.7161, 0.3251, 0.3535

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.6496, 0.3473, 0.3980 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(209, 217, 158)` looks like.

```
.text, #text, p{  
    color:rgb(209, 217, 158)  
}
```

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(209, 217, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 217, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 65.6496, 0.3473, 0.3980 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(209, 217, 158) }
```

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

```
.border{ border-color:rgb(209, 217, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 217, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 217, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 217, 158);  
box-shadow:4px 4px 4px 4px rgb(209, 217,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.6496, 0.3473, 0.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 217, 158) }
```

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

```
.background{ background-color: rgb(209,  
217, 158) }
```

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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