

# Converting Colors

$Yxy(65.3702, 0.3375, 0.4010)$

Have a look what the booklet for  
Yxy(65.3702, 0.3375, 0.4010)  
contains.

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# Color

**Yxy(65.1720, 0.3376, 0.4010)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6DB9F
RGB	198, 219, 159
RGB Percent	78%, 86%, 62%
CMY	0.2237, 0.1411, 0.3765
CMYK	0.10, 0.00, 0.27, 0.14
HSL	81°, 45%, 74%
HSV	81°, 27%, 86%
XYZ	54.8680, 65.1720, 42.4837
YIQ	205.8810, 6.7440, -23.1120

# Conversions

## Conversions Part 2

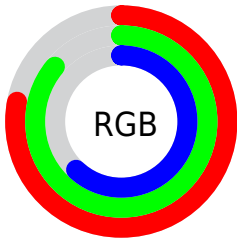
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 219, 180
Decimal	13032351
CIELab	84.57, -17.18, 27.26
CIELCh	85, 32.217, 122.222
Yxy	65.1720, 0.3376, 0.4010
Android (android.graphics.Color)	4291222431 (0xFFC6DB9F)
YUV	205.8810, -23.1123, -6.9116
Hunter-Lab	80.7292, -19.9576, 25.3091

# Details

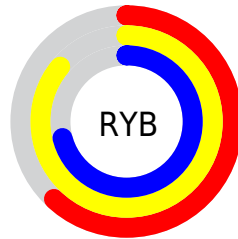
The Yxy color **65.1720, 0.3376, 0.4010** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.6191, 0.2822, 0.2540**, and the grayscale version is **61.7850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6350, 0.3370, 0.3691**, and **33.5417, 0.3433, 0.4197** is the 20% darker color. If you saturate the color by 10%, you get **63.4628, 0.3460, 0.4292**, and if you desaturate by 10%, it is **67.0747, 0.3286, 0.3735**.

# Distribution



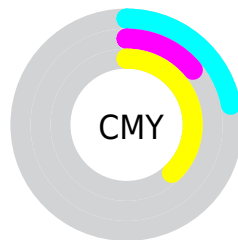
- Red (78%)
- Green (86%)
- Blue (62%)



- Red (62%)
- Yellow (86%)
- Blue (71%)



- Cyan (10%)
- Magenta (0%)
- Yellow (27%)
- Black (14%)




- Cyan (22%)
- Magenta (14%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1720, 0.3376, 0.4010 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 65.1720, 0.3376, 0.4010 by changing the saturation by 10% instead.




 65.1720, 0.3376,  
0.4010

 65.1720, 0.3376,  
0.4010


443.4098, 0.3266,  
0.3661

 47.6006, 0.3399,  
0.4094


 112.2971, 0.3339,  
0.3886

 33.5107, 0.3427,  
0.4199


 142.6196, 0.3324,  
0.3838

 22.5179, 0.3460,  
0.4334


177.9611, 0.3311,  
0.3798

 14.2380, 0.3500,  
0.4516

218.7063, 0.3300,  
0.3763

 8.2864, 0.3544,  
0.4769

265.2393, 0.3290,  
0.3732

 4.2787, 0.3584,  
0.5142

317.9446, 0.3281,

 1.8307, 0.3847,

0.3706

0.6153

377.2067, 0.3273,  
0.3682

0.5062, 0.1087,  
0.8913

0.0000, 0.0000,  
0.0000

65.1720, 0.3376,  
0.4010

65.1720, 0.3376,  
0.4010

63.4628, 0.3460,  
0.4292

67.0747, 0.3286,  
0.3735

61.9306, 0.3533,  
0.4570


69.1695, 0.3195,  
0.3473

60.5696, 0.3590,  
0.4834


71.4664, 0.3104,  
0.3228


59.3705, 0.3627,  
0.5071


73.9717, 0.3016,  
0.3003


 58.3227, 0.3640,  
0.5268


 75.7914, 0.3015,  
0.2926


 57.4139, 0.3628,  
0.5416

 77.1385, 0.3068,  
0.2932

 56.6277, 0.3593,  
0.5515

 78.5429, 0.3121,  
0.2938

 56.4371, 0.3583,  
0.5537

 79.1527, 0.3144,  
0.2940

# Harmonies

## Analogous

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



65.1720, 0.3724, 0.3952



65.1720, 0.3376, 0.4010



65.1720, 0.2975, 0.3839

# Triad

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



65.1720, 0.3376, 0.4010



65.1720, 0.2393, 0.2798



65.1720, 0.3633, 0.3083

# Complementary

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



65.1720, 0.3376, 0.4010



39.6191, 0.2822, 0.2540

# 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.



65.1720, 0.3243, 0.2819



65.1720, 0.3376, 0.4010



65.1720, 0.2541, 0.2650

# Square

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



65.1720, 0.3376, 0.4010



65.1720, 0.2423, 0.3098



65.1720, 0.2844, 0.2663



65.1720, 0.3885, 0.3404



# Rectangle

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



65.1720, 0.3376, 0.4010



65.1720, 0.2733, 0.3618



65.1720, 0.2844, 0.2663



65.1720, 0.3512, 0.2986

# Sweetspot

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



65.1749, 0.3376, 0.4010



97.4224, 0.3201, 0.3490



50.2088, 0.3654, 0.3542



20.7531, 0.3215, 0.3529



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

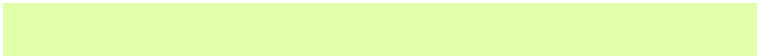


# Same Dimension

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



65.1749, 0.3376, 0.4010



90.5373, 0.3426, 0.4175



61.5000, 0.3153, 0.4062



15.0234, 0.3213, 0.3525



33.5214, 0.3592, 0.5530



2.2191, 0.3691, 0.5451



# Inverse Universe

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



39.6191, 0.2822, 0.2540



48.6213, 0.2741, 0.2359



43.6126, 0.3080, 0.2594



12.8383, 0.3035, 0.3052



4.0201, 0.1774, 0.0751

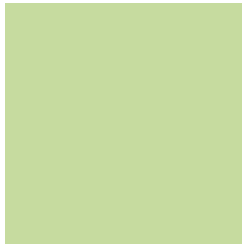


0.3076, 0.1957, 0.0852



# Previews

## White Background



This preview shows how the Yxy color 65.1720, 0.3376, 0.4010 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 65.1720, 0.3376, 0.4010 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

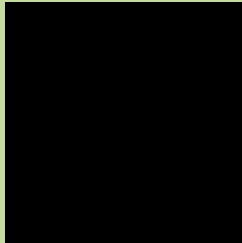
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.1720, 0.3376, 0.4010**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.1720, 0.3376, 0.4010.



This preview shows how white text looks on a background with the Yxy color 65.1720, 0.3376, 0.4010.

# 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

65.1720, 0.3376, 0.4010

### Protanopia

65.1238, 0.3647, 0.3921

### Deuteranopia

64.6596, 0.3790, 0.3708



## Tritanopia

64.9046, 0.2991, 0.3099

# Trichromacy



## Original Color

65.1720, 0.3376, 0.4010

## Protanomaly

65.0924, 0.3550, 0.3959

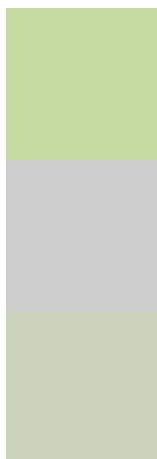
## Deuteranomaly

64.3784, 0.3630, 0.3806

## Tritanomaly

64.6901, 0.3136, 0.3418

# Monochromacy



## Original Color

65.1720, 0.3376, 0.4010

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

62.9592, 0.3220, 0.3550

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  65.1720, 0.3376, 0.4010 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(198, 219, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 219, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 65.1720, 0.3376, 0.4010 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, 159) }
```

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

```
.border{ border-color:rgb(198, 219, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 219, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 219, 159); box-shadow:4px 4px 4px 4px rgb(198, 219, 159) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.1720, 0.3376, 0.4010 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, 159) }
```

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

```
.background{ background-color: rgb(198,  
219, 159) }
```

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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