

# Converting Colors

Yxy(66.1433, 0.3425, 0.4049)

Have a look what the booklet for  
Yxy(66.1433, 0.3425, 0.4049)  
contains.

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# Color

**Yxy(66.1433, 0.3425, 0.4049)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CADC9C
RGB	202, 220, 156
RGB Percent	79%, 86%, 61%
CMY	0.2078, 0.1372, 0.3883
CMYK	0.08, 0.00, 0.29, 0.14
HSL	77°, 48%, 74%
HSV	77°, 29%, 86%
XYZ	55.9498, 66.1433, 41.2640
YIQ	207.3220, 9.8160, -23.7200

# Conversions

## Conversions Part 2

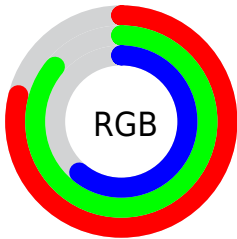
Format	Color
<b>RYB</b>	156, 220, 174
Decimal	13294748
CIELab	85.07, -16.60, 29.52
CIELCh	85, 33.873, 119.351
Yxy	66.1433, 0.3425, 0.4049
Android (android.graphics.Color)	4291484828 (0xFFCAD9C)
YUV	207.3220, -25.3017, -4.6674
Hunter-Lab	81.3285, -19.5262, 26.8477

# Details

The Yxy color **66.1433, 0.3425, 0.4049** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.9385, 0.2762, 0.2479**, and the grayscale version is **62.7777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **34.1128, 0.3485, 0.4248** is the 20% darker color. If you saturate the color by 10%, you get **64.6212, 0.3520, 0.4323**, and if you desaturate by 10%, it is **67.8409, 0.3324, 0.3777**.

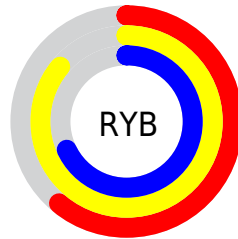
# Distribution



Red (79%)

Green (86%)

Blue (61%)



Red (61%)

Yellow (86%)

Blue (68%)

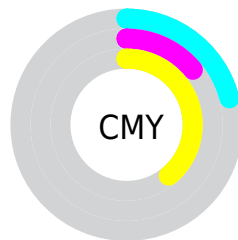


Cyan (8%)

Magenta (0%)

Yellow (29%)

Black (14%)



Cyan (21%)

Magenta (14%)


Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.1433, 0.3425, 0.4049 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 66.1433, 0.3425, 0.4049 by changing the saturation by 10% instead.





 66.1433, 0.3425,  
0.4049


 66.1433, 0.3425,  
0.4049


446.8892, 0.3293,  
0.3682

 48.3887, 0.3453,  
0.4136


 113.6920, 0.3381,  
0.3919

 34.1348, 0.3487,  
0.4245


 144.2549, 0.3363,  
0.3869

 22.9972, 0.3526,  
0.4385


179.8560, 0.3347,  
0.3827

 14.5914, 0.3574,  
0.4572

220.8798, 0.3334,  
0.3790

 8.5332, 0.3627,  
0.4829

267.7106, 0.3322,  
0.3758

 4.4380, 0.3678,  
0.5200

320.7329, 0.3311,

 1.9214, 0.3899,

0.3730

0.6101

380.3309, 0.3301,  
0.3705

0.5612, 0.1859,  
0.8141

0.0000, 0.0000,  
0.0000

66.1433, 0.3425,  
0.4049

66.1433, 0.3425,  
0.4049

64.6212, 0.3520,  
0.4323

67.8409, 0.3324,  
0.3777

63.2580, 0.3603,  
0.4589


69.7123, 0.3220,  
0.3516

62.0484, 0.3669,  
0.4837


71.7671, 0.3118,  
0.3268

60.9830, 0.3714,  
0.5053


74.0117, 0.3019,  
0.3039

 60.0514, 0.3735,  
0.5228

 75.7237, 0.2992,  
0.2934

 59.2410, 0.3729,  
0.5356


 76.7832, 0.3034,  
0.2938

 58.5325, 0.3702,  
0.5438

 77.8797, 0.3076,  
0.2943

 58.4714, 0.3699,  
0.5445

 79.0134, 0.3119,  
0.2947

 79.6699, 0.3143,  
0.2950

# Harmonies

## Analogous

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



66.1433, 0.3778, 0.3965



66.1433, 0.3425, 0.4049



66.1433, 0.3007, 0.3894

# Triad

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



66.1433, 0.3425, 0.4049



66.1433, 0.2356, 0.2798



66.1433, 0.3621, 0.3043

# Complementary

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



66.1433, 0.3425, 0.4049



37.9385, 0.2762, 0.2479

# Split Complementary

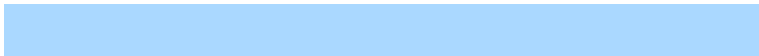
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.1433, 0.3206, 0.2778



66.1433, 0.3425, 0.4049



66.1433, 0.2493, 0.2629

# Square

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



66.1433, 0.3425, 0.4049



66.1433, 0.2406, 0.3124



66.1433, 0.2795, 0.2628



66.1433, 0.3905, 0.3374



# Rectangle

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



66.1433, 0.3425, 0.4049



66.1433, 0.2748, 0.3670



66.1433, 0.2795, 0.2628



66.1433, 0.3491, 0.2945

# Sweetspot

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



66.1462, 0.3425, 0.4049



97.4052, 0.3220, 0.3515



47.5264, 0.3712, 0.3496



20.7632, 0.3235, 0.3552



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

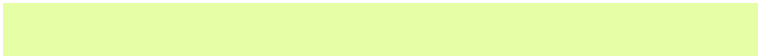


# Same Dimension

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



66.1462, 0.3425, 0.4049



91.0697, 0.3485, 0.4219



62.2393, 0.3192, 0.4108



15.0703, 0.3224, 0.3524



34.3726, 0.3706, 0.5439



2.2693, 0.3789, 0.5374



# Inverse Universe

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



37.9385, 0.2762, 0.2479



45.4592, 0.2666, 0.2283



41.9293, 0.3028, 0.2540



12.7936, 0.3024, 0.3051



3.6800, 0.1683, 0.0701

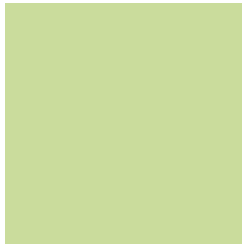


0.2814, 0.1857, 0.0797



# Previews

## White Background



This preview shows how the Yxy color 66.1433, 0.3425, 0.4049 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

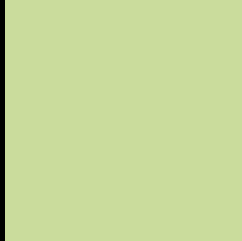
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.1433, 0.3425, 0.4049 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

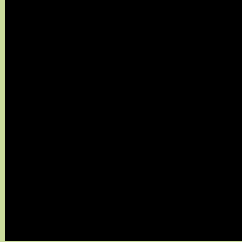
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.1433, 0.3425, 0.4049**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.1433, 0.3425, 0.4049.



This preview shows how white text looks on a background with the Yxy color 66.1433, 0.3425, 0.4049.

# 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

66.1433, 0.3425, 0.4049

### Protanopia

65.8809, 0.3675, 0.3950

### Deuteranopia

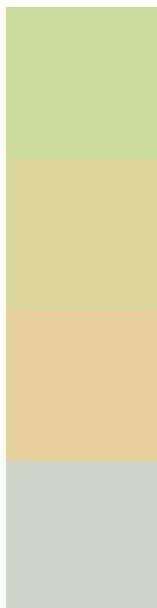
65.5391, 0.3842, 0.3756



## Tritanopia

66.1316, 0.3027, 0.3112

# Trichromacy



## Original Color

66.1433, 0.3425, 0.4049

## Protanomaly

65.9940, 0.3585, 0.3987

## Deuteranomaly

65.3932, 0.3689, 0.3855

## Tritanomaly

65.7201, 0.3172, 0.3440

# Monochromacy



## Original Color

66.1433, 0.3425, 0.4049

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

63.6969, 0.3241, 0.3572

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.1433, 0.3425, 0.4049 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(202, 220, 156)` looks like.

```
.text, #text, p{  
    color:rgb(202, 220, 156)  
}
```

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(202, 220, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 220, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 66.1433, 0.3425, 0.4049 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(202, 220, 156) }
```

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

```
.border{ border-color:rgb(202, 220, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 220, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 220, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 220, 156);  
box-shadow:4px 4px 4px 4px rgb(202, 220,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.1433, 0.3425, 0.4049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 220, 156) }
```

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

```
.background{ background-color: rgb(202,  
220, 156) }
```

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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