

# Converting Colors

$Yxy(66.0367, 0.3239, 0.3721)$

Have a look what the booklet for  
Yxy(66.0367, 0.3239, 0.3721)  
contains.

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# Color

**Yxy(65.7996, 0.3238, 0.3716)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8DAB6
RGB	200, 218, 182
RGB Percent	78%, 85%, 71%
CMY	0.2157, 0.1451, 0.2863
CMYK	0.08, 0.00, 0.17, 0.15
HSL	90°, 33%, 78%
HSV	90°, 17%, 85%
XYZ	57.3356, 65.7996, 53.9358
YIQ	208.5140, 0.8280, -15.0120

# Conversions

## Conversions Part 2

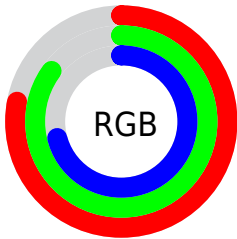
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 218, 200
Decimal	13163190
CIELab	84.89, -12.42, 15.71
CIELCh	85, 20.022, 128.322
Yxy	65.7996, 0.3238, 0.3716
Android (android.graphics.Color)	4291353270 (0xFFC8DAB6)
YUV	208.5140, -13.0714, -7.4668
Hunter-Lab	81.1170, -15.7862, 17.3591

# Details

The Yxy color **65.7996, 0.3238, 0.3716** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.7992, 0.3000, 0.2865**, and the grayscale version is **63.5160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9530, 0.3226, 0.3454**, and **33.8904, 0.3264, 0.3826** is the 20% darker color. If you saturate the color by 10%, you get **63.5225, 0.3302, 0.4000**, and if you desaturate by 10%, it is **68.3297, 0.3171, 0.3451**.

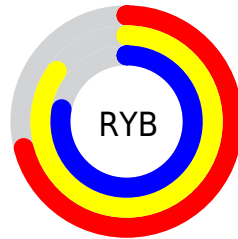
# Distribution



Red (78%)

Green (85%)

Blue (71%)



Red (71%)

Yellow (85%)

Blue (78%)

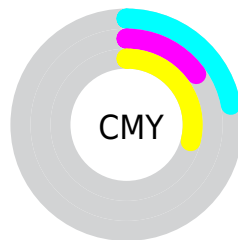


Cyan (8%)

Magenta (0%)

Yellow (17%)

Black (15%)



Cyan (22%)

Magenta (15%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7996, 0.3238, 0.3716 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 65.7996, 0.3238, 0.3716 by changing the saturation by 10% instead.





 65.7996, 0.3238,  
0.3716

 65.7996, 0.3238,  
0.3716


445.6598, 0.3188,  
0.3511

 48.1097, 0.3249,  
0.3765


 113.1987, 0.3221,  
0.3643

 33.9138, 0.3262,  
0.3827


143.6766, 0.3214,  
0.3615

 22.8274, 0.3278,  
0.3906


179.1861, 0.3209,  
0.3592

 14.4661, 0.3299,  
0.4014

220.1115, 0.3203,  
0.3571

 8.4456, 0.3324,  
0.4166

266.8372, 0.3199,  
0.3553

 4.3813, 0.3356,  
0.4396

319.7475, 0.3195,

 1.8891, 0.3411,

0.3537

0.4813

379.2269, 0.3191,  
0.3523

0.5418, 0.2811,  
0.7189

0.0000, 0.0000,  
0.0000

65.7996, 0.3238,  
0.3716

65.7996, 0.3238,  
0.3716

63.5225, 0.3302,  
0.4000

68.3297, 0.3171,  
0.3451

61.4811, 0.3361,  
0.4296


71.1125, 0.3104,  
0.3208


59.6691, 0.3409,  
0.4596

74.1586, 0.3038,  
0.2987


58.0764, 0.3444,  
0.4887


76.5264, 0.3065,  
0.2921


 56.6922, 0.3459,  
0.5155


 78.5298, 0.3141,  
0.2930

 55.5045, 0.3453,  
0.5384

 78.6246, 0.3144,  
0.2930

 54.4993, 0.3425,  
0.5561

 53.6599, 0.3377,  
0.5681

 53.3970, 0.3359,  
0.5715

# Harmonies

## Analogous

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



65.7996, 0.3464, 0.3719



65.7996, 0.3238, 0.3716



65.7996, 0.2989, 0.3585

# Triad

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



65.7996, 0.3238, 0.3716



65.7996, 0.2671, 0.2959



65.7996, 0.3480, 0.3203

# Complementary

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



65.7996, 0.3238, 0.3716



50.7992, 0.3000, 0.2865

# 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.



65.7996, 0.3255, 0.3020



65.7996, 0.3238, 0.3716



65.7996, 0.2791, 0.2878

# Square

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



65.7996, 0.3238, 0.3716



65.7996, 0.2668, 0.3135



65.7996, 0.3002, 0.2902



65.7996, 0.3609, 0.3414



# Rectangle

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



65.7996, 0.3238, 0.3716



65.7996, 0.2842, 0.3445



65.7996, 0.3002, 0.2902



65.7996, 0.3413, 0.3137

# Sweetspot

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



65.8025, 0.3238, 0.3716



98.0169, 0.3161, 0.3414



59.3164, 0.3407, 0.3492



20.9216, 0.3166, 0.3432



0.0000, 0.0000, 0.0000

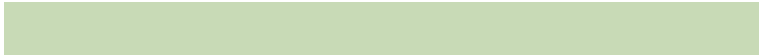


21.4041, 0.3127, 0.3290

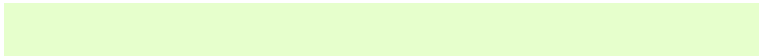


# Same Dimension

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



65.8025, 0.3238, 0.3716



92.6206, 0.3262, 0.3818



63.5410, 0.3111, 0.3733



14.9245, 0.3191, 0.3526



32.0532, 0.3369, 0.5707



2.1278, 0.3493, 0.5608



# Inverse Universe

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



50.7992, 0.3000, 0.2865



67.1455, 0.2967, 0.2763



53.3333, 0.3141, 0.2883



12.9353, 0.3059, 0.3054



5.0439, 0.2028, 0.0891

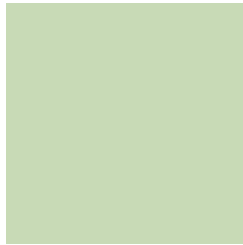


0.3780, 0.2205, 0.0988



# Previews

## White Background



This preview shows how the Yxy color 65.7996, 0.3238, 0.3716 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

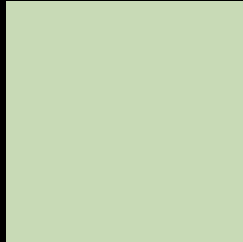
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.7996, 0.3238, 0.3716 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

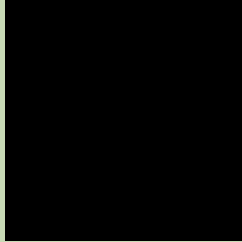
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

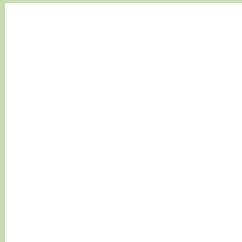
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.7996, 0.3238, 0.3716**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.7996, 0.3238, 0.3716.



This preview shows how white text looks on a background with the Yxy color 65.7996, 0.3238, 0.3716.

# 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

65.7996, 0.3238, 0.3716

### Protanopia

65.5312, 0.3448, 0.3652

### Deuteranopia

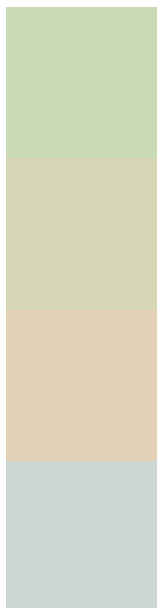
65.5658, 0.3571, 0.3496



## Tritanopia

65.9538, 0.2984, 0.3111

# Trichromacy



## Original Color

65.7996, 0.3238, 0.3716

## Protanomaly

65.8355, 0.3372, 0.3681

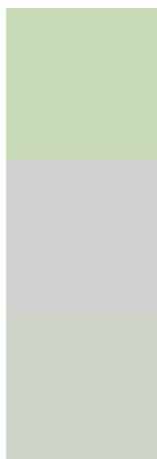
## Deuteranomaly

65.3925, 0.3447, 0.3570

## Tritanomaly

65.6337, 0.3075, 0.3324

# Monochromacy



## Original Color

65.7996, 0.3238, 0.3716

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.3323, 0.3172, 0.3441

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.7996, 0.3238, 0.3716 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(200, 218, 182)` looks like.

```
.text, #text, p{  
    color:rgb(200, 218, 182)  
}
```

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(200, 218, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 218, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 65.7996, 0.3238, 0.3716 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(200, 218, 182) }
```

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

```
.border{ border-color:rgb(200, 218, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 218, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 218, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 218, 182);  
box-shadow:4px 4px 4px 4px rgb(200, 218,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.7996, 0.3238, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 218, 182) }
```

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

```
.background{ background-color: rgb(200,  
218, 182) }
```

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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