

# Converting Colors

$Yxy(68.0359, 0.3311, 0.3642)$

Have a look what the booklet for  
Yxy(68.0359, 0.3311, 0.3642)  
contains.

<b>Yxy(68.0268, 0.3309, 0.3644)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(68.0268, 0.3309, 0.3644)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6DABB
RGB	214, 218, 187
RGB Percent	84%, 85%, 73%
CMY	0.1608, 0.1451, 0.2667
CMYK	0.02, 0.00, 0.14, 0.15
HSL	68°, 30%, 79%
HSV	68°, 14%, 85%
XYZ	61.7730, 68.0268, 56.8819
YIQ	213.2700, 7.5670, -10.4890

# Conversions

## Conversions Part 2

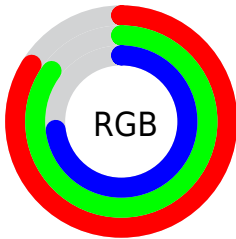
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 218, 191
Decimal	14080699
CIELab	86.02, -6.64, 14.82
CIELCh	86, 16.238, 114.133
Yxy	68.0268, 0.3309, 0.3644
Android (android.graphics.Color)	4292270779 (0xFFD6DABB)
YUV	213.2700, -12.9511, 0.6402
Hunter-Lab	82.4784, -10.6478, 16.8450

# Details

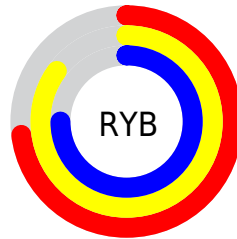
The Yxy color **68.0268, 0.3309, 0.3644** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.6734, 0.2930, 0.2917**, and the grayscale version is **66.8160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **35.2865, 0.3348, 0.3727** is the 20% darker color. If you saturate the color by 10%, you get **66.7467, 0.3438, 0.3903**, and if you desaturate by 10%, it is **69.4619, 0.3180, 0.3393**.

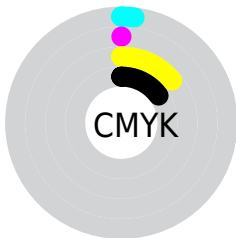
# Distribution



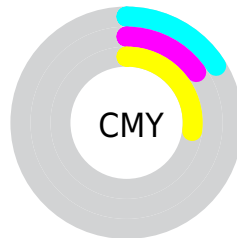
- Red (84%)
- Green (85%)
- Blue (73%)



- Red (73%)
- Yellow (85%)
- Blue (75%)



- Cyan (2%)
- Magenta (0%)
- Yellow (14%)
- Black (15%)




- Cyan (16%)
- Magenta (15%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0268, 0.3309, 0.3644 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 68.0268, 0.3309, 0.3644 by changing the saturation by 10% instead.



 68.0268, 0.3309,  
0.3644

 68.0268, 0.3309,  
0.3644


453.5910, 0.3225,  
0.3476

 49.9195, 0.3328,  
0.3683


 116.3905, 0.3280,  
0.3585

 35.3495, 0.3352,  
0.3733


147.4157, 0.3269,  
0.3562

 23.9322, 0.3381,  
0.3796


183.5157, 0.3259,  
0.3543

 15.2833, 0.3420,  
0.3880

225.0748, 0.3250,  
0.3526

 9.0185, 0.3471,  
0.3997

272.4775, 0.3243,  
0.3511

 4.7532, 0.3544,  
0.4171

326.1082, 0.3236,

 2.1032, 0.3651,

0.3498

0.4454

386.3512, 0.3230,  
0.3486

0.6664, 0.4143,  
0.5857

0.0000, 0.0000,  
0.0000

68.0268, 0.3309,  
0.3644

68.0268, 0.3309,  
0.3644

66.7467, 0.3438,  
0.3903

69.4619, 0.3180,  
0.3393

65.6063, 0.3564,  
0.4162


71.0490, 0.3056,  
0.3154

64.6015, 0.3681,  
0.4412

72.7969, 0.2937,  
0.2931


63.7251, 0.3784,  
0.4644


73.4123, 0.2940,  
0.2907

 62.9686, 0.3868,  
0.4846


 73.8683, 0.2959,  
0.2909

 62.3228, 0.3927,  
0.5010


 74.3318, 0.2978,  
0.2911

 61.7770, 0.3961,  
0.5130

 74.8027, 0.2997,  
0.2914

 61.3182, 0.3969,  
0.5204

 75.2812, 0.3016,  
0.2916

 61.0802, 0.3966,  
0.5233

 75.7673, 0.3035,  
0.2918

# Harmonies

## Analogous

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



68.0268, 0.3462, 0.3601



68.0268, 0.3309, 0.3644



68.0268, 0.3111, 0.3585

# Triad

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



68.0268, 0.3309, 0.3644



68.0268, 0.2746, 0.3084



68.0268, 0.3332, 0.3146

# Complementary

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



68.0268, 0.3309, 0.3644



51.6734, 0.2930, 0.2917

# 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.



68.0268, 0.3134, 0.3018



68.0268, 0.3309, 0.3644



68.0268, 0.2799, 0.2979

# Square

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



68.0268, 0.3309, 0.3644



68.0268, 0.2789, 0.3253



68.0268, 0.2940, 0.2957



68.0268, 0.3476, 0.3311



# Rectangle

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



68.0268, 0.3309, 0.3644



68.0268, 0.2980, 0.3495



68.0268, 0.2940, 0.2957



68.0268, 0.3269, 0.3097

# Sweetspot

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



68.0298, 0.3309, 0.3644



99.1119, 0.3178, 0.3388



55.5846, 0.3384, 0.3333



21.1791, 0.3188, 0.3407



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

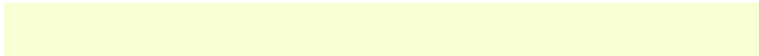


# Same Dimension

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



68.0298, 0.3309, 0.3644



96.4715, 0.3347, 0.3719



65.8581, 0.3196, 0.3657



15.1743, 0.3247, 0.3522



36.6250, 0.3969, 0.5231



2.3970, 0.4008, 0.5200



# Inverse Universe

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



51.6734, 0.2930, 0.2917



68.9203, 0.2885, 0.2832



53.7370, 0.3048, 0.2930



12.6972, 0.3001, 0.3050



3.2072, 0.1551, 0.0628



0.2346, 0.1667, 0.0692



# Previews

## White Background



This preview shows how the Yxy color 68.0268, 0.3309, 0.3644 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

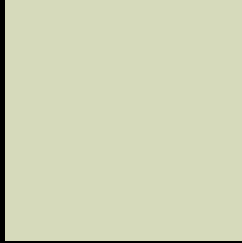
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.0268, 0.3309, 0.3644 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

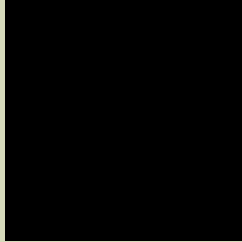
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

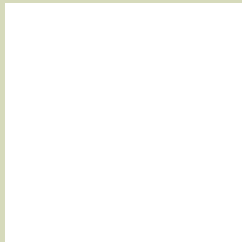
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.0268, 0.3309, 0.3644**

## Background



This preview shows how black text looks on a background with the Yxy color 68.0268, 0.3309, 0.3644.



This preview shows how white text looks on a background with the Yxy color 68.0268, 0.3309, 0.3644.

# 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

68.0268, 0.3309, 0.3644

### Protanopia

67.7647, 0.3422, 0.3614

### Deuteranopia

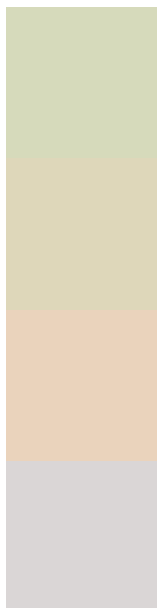
67.7122, 0.3557, 0.3483



## Tritanopia

67.9598, 0.3070, 0.3105

# Trichromacy



## Original Color

68.0268, 0.3309, 0.3644

## Protanomaly

67.6756, 0.3382, 0.3616

## Deuteranomaly

67.7118, 0.3468, 0.3542

## Tritanomaly

67.8536, 0.3156, 0.3290

# Monochromacy



## Original Color

68.0268, 0.3309, 0.3644

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

67.1066, 0.3187, 0.3415

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.0268, 0.3309, 0.3644 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(214, 218, 187)` looks like.

```
.text, #text, p{  
    color:rgb(214, 218, 187)  
}
```

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(214, 218, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 218, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 68.0268, 0.3309, 0.3644 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(214, 218, 187) }
```

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

```
.border{ border-color:rgb(214, 218, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 218, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 218, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 218, 187);  
box-shadow:4px 4px 4px 4px rgb(214, 218,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.0268, 0.3309, 0.3644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 218, 187) }
```

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

```
.background{ background-color: rgb(214,  
218, 187) }
```

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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