

# Converting Colors

$Yxy(68.3679, 0.3254, 0.3668)$

Have a look what the booklet for  
Yxy(68.3679, 0.3254, 0.3668)  
contains.

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# Color

**Yxy(68.2271, 0.3255, 0.3659)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0DCBC
RGB	208, 220, 188
RGB Percent	82%, 86%, 74%
CMY	0.1841, 0.1373, 0.2628
CMYK	0.05, 0.00, 0.15, 0.14
HSL	82°, 31%, 80%
HSV	82°, 15%, 86%
XYZ	60.6940, 68.2271, 57.5427
YIQ	212.7640, 3.1200, -12.4960

# Conversions

## Conversions Part 2

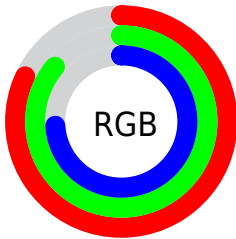
Format	Color
R <sub>YB</sub>	188, 220, 200
Decimal	13687996
CIE <sub>Lab</sub>	86.12, -9.61, 14.37
CIE <sub>LCh</sub>	86, 17.285, 123.763
Yxy	68.2271, 0.3255, 0.3659
Android (android.graphics.Color)	4291878076 (0xFFD0DCBC)
YUV	212.7640, -12.2087, -4.1780
Hunter-Lab	82.5997, -13.3883, 16.5157

# Details

The Yxy color **68.2271, 0.3255, 0.3659** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.3997, 0.2985, 0.2914**, and the grayscale version is **66.4620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **35.5296, 0.3286, 0.3747** is the 20% darker color. If you saturate the color by 10%, you get **66.1935, 0.3342, 0.3932**, and if you desaturate by 10%, it is **70.4728, 0.3167, 0.3401**.

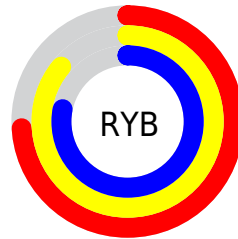
# Distribution



Red (82%)

Green (86%)

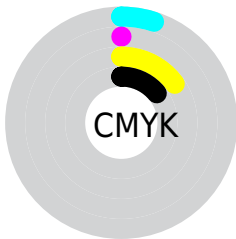
Blue (74%)



Red (74%)

Yellow (86%)

Blue (78%)

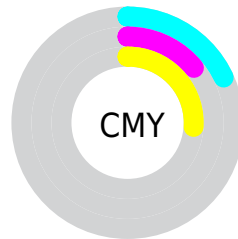


Cyan (5%)

Magenta (0%)

Yellow (15%)

Black (14%)



Cyan (18%)

Magenta (14%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2271, 0.3255, 0.3659 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 68.2271, 0.3255, 0.3659 by changing the saturation by 10% instead.



 68.2271, 0.3255,  
0.3659

 68.2271, 0.3255,  
0.3659


454.3002, 0.3197,  
0.3483

 50.0825, 0.3268,  
0.3700

 116.6770, 0.3235,  
0.3597

 35.4790, 0.3284,  
0.3752


147.7510, 0.3227,  
0.3573

 24.0321, 0.3304,  
0.3819


183.9037, 0.3220,  
0.3553

 15.3574, 0.3329,  
0.3908

225.5194, 0.3214,  
0.3535

 9.0706, 0.3363,  
0.4034

272.9825, 0.3209,  
0.3520

 4.7873, 0.3408,  
0.4221

326.6774, 0.3205,

 2.1230, 0.3469,

0.3506

386.9885, 0.3200,  
0.3494

0.4529

0.6775, 0.3767,  
0.6233

0.0000, 0.0000,  
0.0000

68.2271, 0.3255,  
0.3659

68.2271, 0.3255,  
0.3659

66.1935, 0.3342,  
0.3932

70.4728, 0.3167,  
0.3401

64.3556, 0.3424,  
0.4215


72.9287, 0.3080,  
0.3162


62.7084, 0.3496,  
0.4499


75.6044, 0.2997,  
0.2943

61.2433, 0.3555,  
0.4772


77.0797, 0.3046,  
0.2939

 59.9510, 0.3594,  
0.5022

 78.5551, 0.3102,  
0.2945

 58.8208, 0.3611,  
0.5236

 79.6612, 0.3143,  
0.2950

 57.8408, 0.3603,  
0.5403

 56.9964, 0.3571,  
0.5518

 56.5804, 0.3547,  
0.5565

# Harmonies

## Analogous

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



68.2271, 0.3439, 0.3647



68.2271, 0.3255, 0.3659



68.2271, 0.3041, 0.3563

# Triad

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



68.2271, 0.3255, 0.3659



68.2271, 0.2729, 0.3026



68.2271, 0.3403, 0.3190

# Complementary

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



68.2271, 0.3255, 0.3659



53.3997, 0.2985, 0.2914

# 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.



68.2271, 0.3204, 0.3038



68.2271, 0.3255, 0.3659



68.2271, 0.2818, 0.2942

# Square

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



68.2271, 0.3255, 0.3659



68.2271, 0.2742, 0.3187



68.2271, 0.2990, 0.2948



68.2271, 0.3528, 0.3371



# Rectangle

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



68.2271, 0.3255, 0.3659



68.2271, 0.2911, 0.3451



68.2271, 0.2990, 0.2948



68.2271, 0.3342, 0.3135

# Sweetspot

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



68.2301, 0.3255, 0.3659



98.6461, 0.3162, 0.3388



60.0263, 0.3377, 0.3425



21.0610, 0.3169, 0.3407



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

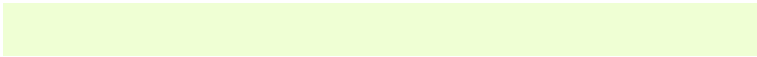


# Same Dimension

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



68.2301, 0.3255, 0.3659



94.5777, 0.3278, 0.3729



66.0522, 0.3140, 0.3672



15.0087, 0.3210, 0.3525



33.2753, 0.3557, 0.5558



2.2042, 0.3661, 0.5475



# Inverse Universe

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



53.3997, 0.2985, 0.2914



70.5961, 0.2957, 0.2842



55.6875, 0.3110, 0.2928



12.8525, 0.3039, 0.3052



4.1450, 0.1807, 0.0769

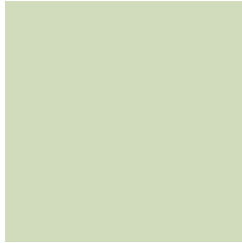


0.3167, 0.1991, 0.0870



# Previews

## White Background



This preview shows how the Yxy color 68.2271, 0.3255, 0.3659 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

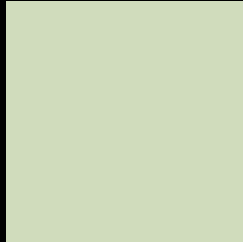
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.2271, 0.3255, 0.3659 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

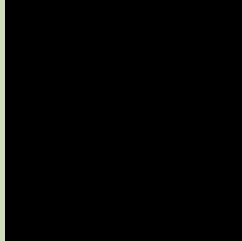
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

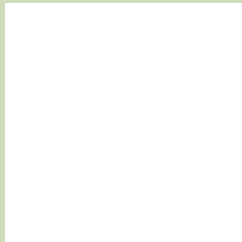
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.2271, 0.3255, 0.3659**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.2271, 0.3255, 0.3659.



This preview shows how white text looks on a background with the Yxy color 68.2271, 0.3255, 0.3659.

# 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

68.2271, 0.3255, 0.3659

### Protanopia

68.2724, 0.3420, 0.3624

### Deuteranopia

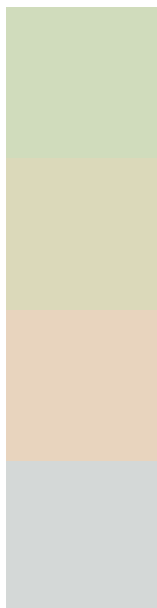
67.7997, 0.3541, 0.3461



## Tritanopia

68.1588, 0.3014, 0.3103

# Trichromacy



## Original Color

68.2271, 0.3255, 0.3659

## Protanomaly

68.2309, 0.3355, 0.3640

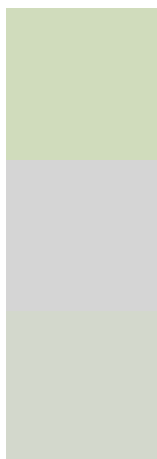
## Deuteranomaly

67.9605, 0.3436, 0.3532

## Tritanomaly

68.0151, 0.3105, 0.3301

# Monochromacy



## Original Color

68.2271, 0.3255, 0.3659

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

67.3203, 0.3172, 0.3426

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.2271, 0.3255, 0.3659 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(208, 220, 188)` looks like.

```
.text, #text, p{  
    color:rgb(208, 220, 188)  
}
```

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(208, 220, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 220, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 68.2271, 0.3255, 0.3659 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(208, 220, 188) }
```

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

```
.border{ border-color:rgb(208, 220, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 220, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(208, 220, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(208, 220, 188); box-shadow:4px 4px 4px 4px rgb(208, 220, 188) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.2271, 0.3255, 0.3659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 220, 188) }
```

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

```
.background{ background-color: rgb(208,  
220, 188) }
```

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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