

# Converting Colors

$Yxy(70.0064, 0.3283, 0.3677)$

Have a look what the booklet for  
Yxy(70.0064, 0.3283, 0.3677)  
contains.

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# Color

**Yxy(69.8704, 0.3282, 0.3677)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D4DEBC
RGB	212, 222, 188
RGB Percent	83%, 87%, 74%
CMY	0.1684, 0.1295, 0.2627
CMYK	0.04, 0.00, 0.15, 0.13
HSL	78°, 34%, 80%
HSV	78°, 15%, 87%
XYZ	62.3646, 69.8704, 57.7851
YIQ	215.1340, 4.9540, -12.6940

# Conversions

## Conversions Part 2

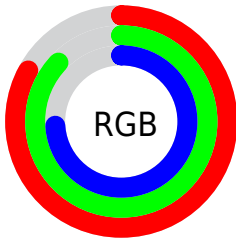
Format	Color
<a href="#">RYB</a>	<a href="#">188, 222, 198</a>
Decimal	<a href="#">13950652</a>
CIELab	<a href="#">86.93, -9.20, 15.55</a>
CIELCh	<a href="#">87, 18.063, 120.611</a>
Yxy	<a href="#">69.8704, 0.3282, 0.3677</a>
Android (android.graphics.Color)	<a href="#">4292140732 (0xFFD4DEBC)</a>
YUV	<a href="#">215.1340, -13.3771, -2.7485</a>
Hunter-Lab	<a href="#">83.5885, -13.1027, 17.5245</a>

# Details

The Yxy color **69.8704, 0.3282, 0.3677** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.2446, 0.2956, 0.2891**, and the grayscale version is **68.1489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **36.5548, 0.3311, 0.3771** is the 20% darker color. If you saturate the color by 10%, you get **68.0436, 0.3383, 0.3947**, and if you desaturate by 10%, it is **71.8893, 0.3180, 0.3420**.

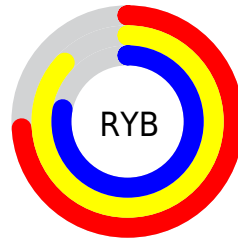
# Distribution



Red (83%)

Green (87%)

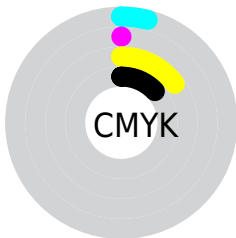
Blue (74%)



Red (74%)

Yellow (87%)

Blue (78%)

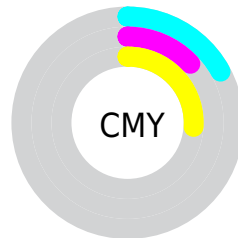


Cyan (4%)

Magenta (0%)

Yellow (15%)

Black (13%)



Cyan (17%)

Magenta (13%)

Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8704, 0.3282, 0.3677 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 69.8704, 0.3282, 0.3677 by changing the saturation by 10% instead.



69.8704, 0.3282,  
0.3677

69.8704, 0.3282,  
0.3677

460.0948, 0.3211,  
0.3493

51.4209, 0.3298,  
0.3720

119.0239, 0.3258,  
0.3612

36.5437, 0.3317,  
0.3774

150.4967, 0.3248,  
0.3588

24.8544, 0.3341,  
0.3843

187.0794, 0.3240,  
0.3566

15.9686, 0.3372,  
0.3934

229.1563, 0.3233,  
0.3548

9.5019, 0.3412,  
0.4062

277.1120, 0.3227,  
0.3532

5.0700, 0.3467,  
0.4251

331.3307, 0.3221,

2.2884, 0.3543,

0.3517

392.1968, 0.3216,  
0.3505

0.4557

0.7676, 0.3968,  
0.6032

0.0000, 0.0000,  
0.0000

69.8704, 0.3282,  
0.3677

69.8704, 0.3282,  
0.3677

68.0436, 0.3383,  
0.3947

71.8893, 0.3180,  
0.3420

66.3925, 0.3478,  
0.4222

74.0978, 0.3081,  
0.3179

64.9126, 0.3565,  
0.4494

76.5054, 0.2985,  
0.2957

63.5955, 0.3636,  
0.4752

77.6325, 0.3026,  
0.2958

■ 62.4320, 0.3688,  
0.4984

■ 78.7752, 0.3070,  
0.2962

■ 61.4118, 0.3716,  
0.5178

■ 79.9588, 0.3114,  
0.2967

■ 60.5232, 0.3718,  
0.5326

■ 80.7153, 0.3142,  
0.2970

■ 59.7514, 0.3696,  
0.5425

■ 59.4180, 0.3680,  
0.5460

# Harmonies

## Analogous

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



69.8704, 0.3466, 0.3652



69.8704, 0.3282, 0.3677



69.8704, 0.3061, 0.3589

# Triad

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



69.8704, 0.3282, 0.3677



69.8704, 0.2711, 0.3031



69.8704, 0.3394, 0.3168

# Complementary

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



69.8704, 0.3282, 0.3677



53.2446, 0.2956, 0.2891

# 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.



69.8704, 0.3183, 0.3016



69.8704, 0.3282, 0.3677



69.8704, 0.2793, 0.2934

# Square

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



69.8704, 0.3282, 0.3677



69.8704, 0.2736, 0.3204



69.8704, 0.2963, 0.2931



69.8704, 0.3534, 0.3353



# Rectangle

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



69.8704, 0.3282, 0.3677



69.8704, 0.2922, 0.3477



69.8704, 0.2963, 0.2931



69.8704, 0.3329, 0.3112

# Sweetspot

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



69.8735, 0.3282, 0.3677



98.5063, 0.3178, 0.3413



59.3837, 0.3397, 0.3401



21.0406, 0.3185, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

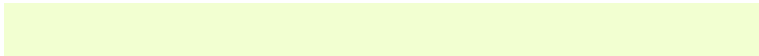


# Same Dimension

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



69.8735, 0.3282, 0.3677



94.9337, 0.3311, 0.3752



67.5193, 0.3160, 0.3692



15.8180, 0.3222, 0.3525



35.3577, 0.3688, 0.5454



2.4961, 0.3768, 0.5390



# Inverse Universe

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



53.2446, 0.2956, 0.2891



68.4798, 0.2920, 0.2810



55.6376, 0.3086, 0.2906



13.4363, 0.3026, 0.3051



3.8467, 0.1695, 0.0708

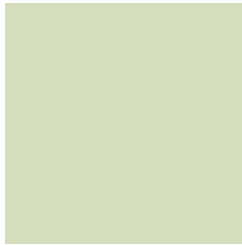


0.3117, 0.1860, 0.0798



# Previews

## White Background



This preview shows how the Yxy color 69.8704, 0.3282, 0.3677 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

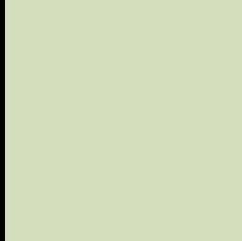
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.8704, 0.3282, 0.3677 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

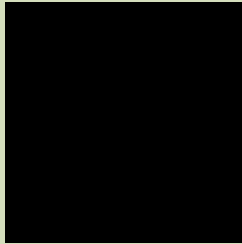
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

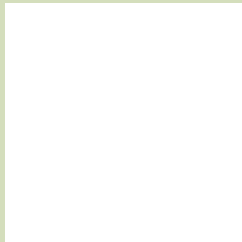
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.8704, 0.3282, 0.3677**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8704, 0.3282, 0.3677.



This preview shows how white text looks on a background with the Yxy color 69.8704, 0.3282, 0.3677.

# 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

69.8704, 0.3282, 0.3677

### Protanopia

69.7865, 0.3439, 0.3643

### Deuteranopia

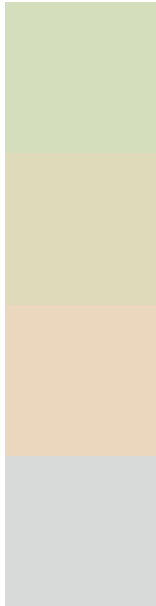
69.3190, 0.3561, 0.3480



## Tritanopia

70.0550, 0.3036, 0.3106

# Trichromacy



**Original Color**

69.8704, 0.3282, 0.3677

**Protanomaly**

69.8962, 0.3382, 0.3658

**Deuteranomaly**

69.4730, 0.3455, 0.3551

**Tritanomaly**

69.7515, 0.3119, 0.3301

# Monochromacy



**Original Color**

69.8704, 0.3282, 0.3677

**Achromatopsia**

67.9542, 0.3127, 0.3290

**Achromatomaly**

68.8467, 0.3186, 0.3436

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8704, 0.3282, 0.3677 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(212, 222, 188)` looks like.

```
.text, #text, p{  
    color:rgb(212, 222, 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(212, 222, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 222, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8704, 0.3282, 0.3677 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(212, 222, 188) }
```

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

```
.border{ border-color:rgb(212, 222, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 222, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 222, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 222, 188);  
box-shadow:4px 4px 4px 4px rgb(212, 222,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8704, 0.3282, 0.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 222, 188) }
```

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

```
.background{ background-color: rgb(212,  
222, 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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