

# Converting Colors

$Yxy(69.4017, 0.3307, 0.3667)$

Have a look what the booklet for  
Yxy(69.4017, 0.3307, 0.3667)  
contains.

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# Color

**Yxy(69.0704, 0.3306, 0.3666)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6DCBB
RGB	214, 220, 187
RGB Percent	84%, 86%, 73%
CMY	0.1609, 0.1372, 0.2667
CMYK	0.03, 0.00, 0.15, 0.14
HSL	71°, 32%, 80%
HSV	71°, 15%, 86%
XYZ	62.2877, 69.0704, 57.0500
YIQ	214.4440, 7.0170, -11.5350

# Conversions

## Conversions Part 2

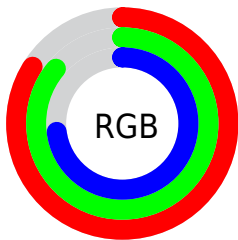
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 220, 193
Decimal	14081211
CIELab	86.54, -7.68, 15.56
CIELCh	87, 17.346, 116.266
Yxy	69.0704, 0.3306, 0.3666
Android (android.graphics.Color)	4292271291 (0xFFD6DCBB)
YUV	214.4440, -13.5299, -0.3894
Hunter-Lab	83.1086, -11.6590, 17.4764

# Details

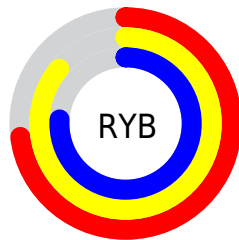
The Yxy color **69.0704, 0.3306, 0.3666** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.0390, 0.2932, 0.2896**, and the grayscale version is **67.6480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **36.0024, 0.3344, 0.3755** is the 20% darker color. If you saturate the color by 10%, you get **67.6050, 0.3426, 0.3929**, and if you desaturate by 10%, it is **70.7011, 0.3186, 0.3412**.

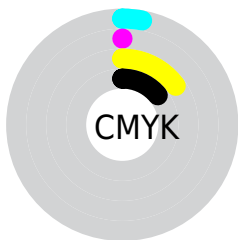
# Distribution



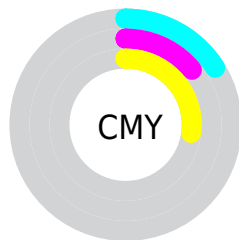
- Red (84%)
- Green (86%)
- Blue (73%)



- Red (73%)
- Yellow (86%)
- Blue (76%)



- Cyan (3%)
- Magenta (0%)
- Yellow (15%)
- Black (14%)




- Cyan (16%)
- Magenta (14%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0704, 0.3306, 0.3666 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 69.0704, 0.3306, 0.3666 by changing the saturation by 10% instead.





 69.0704, 0.3306,  
0.3666

 69.0704, 0.3306,  
0.3666


457.2792, 0.3224,  
0.3488

 50.7690, 0.3325,  
0.3708


 117.8821, 0.3278,  
0.3603

 36.0248, 0.3347,  
0.3760


149.1613, 0.3267,  
0.3579

 24.4534, 0.3376,  
0.3827


185.5352, 0.3257,  
0.3559

 15.6703, 0.3413,  
0.3916

227.3882, 0.3249,  
0.3541

 9.2911, 0.3462,  
0.4039

275.1047, 0.3241,  
0.3525

 4.9316, 0.3530,  
0.4222

329.0691, 0.3235,

 2.2072, 0.3627,

0.3511

389.6658, 0.3229,  
0.3499

0.4518

0.7239, 0.4088,  
0.5912

0.0000, 0.0000,  
0.0000

69.0704, 0.3306,  
0.3666

69.0704, 0.3306,  
0.3666

67.6050, 0.3426,  
0.3929

70.7011, 0.3186,  
0.3412

66.2893, 0.3541,  
0.4193

72.4943, 0.3070,  
0.3172

65.1190, 0.3648,  
0.4450

74.4589, 0.2958,  
0.2949

64.0864, 0.3740,  
0.4689

75.2456, 0.2973,  
0.2932

63.1828, 0.3812,  
0.4900

75.9185, 0.3000,  
0.2935

62.3987, 0.3860,  
0.5072

76.6068, 0.3027,  
0.2938

61.7229, 0.3881,  
0.5199

77.3107, 0.3054,  
0.2941

61.1415, 0.3878,  
0.5280

78.0301, 0.3082,  
0.2944

60.8755, 0.3870,  
0.5309

78.7654, 0.3110,  
0.2946

# Harmonies

## Analogous

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



69.0704, 0.3474, 0.3627



69.0704, 0.3306, 0.3666



69.0704, 0.3094, 0.3596

# Triad

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



69.0704, 0.3306, 0.3666



69.0704, 0.2723, 0.3061



69.0704, 0.3358, 0.3148

# Complementary

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



69.0704, 0.3306, 0.3666



52.0390, 0.2932, 0.2896

# 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.



69.0704, 0.3149, 0.3009



69.0704, 0.3306, 0.3666



69.0704, 0.2787, 0.2955

# Square

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



69.0704, 0.3306, 0.3666



69.0704, 0.2762, 0.3236



69.0704, 0.2941, 0.2938



69.0704, 0.3506, 0.3325



# Rectangle

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



69.0704, 0.3306, 0.3666



69.0704, 0.2957, 0.3496



69.0704, 0.2941, 0.2938



69.0704, 0.3292, 0.3096

# Sweetspot

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



69.0734, 0.3306, 0.3666



98.7668, 0.3187, 0.3413



56.7172, 0.3397, 0.3354



21.1041, 0.3195, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

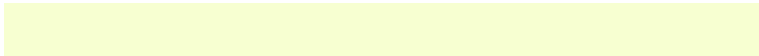


# Same Dimension

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



69.0734, 0.3306, 0.3666



95.8327, 0.3344, 0.3748



66.7849, 0.3188, 0.3680



15.1374, 0.3239, 0.3523



35.7672, 0.3875, 0.5305



2.3491, 0.3930, 0.5261



# Inverse Universe

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



52.0390, 0.2932, 0.2896



67.6961, 0.2885, 0.2805



54.2554, 0.3057, 0.2910



12.7310, 0.3009, 0.3050



3.3346, 0.1587, 0.0648

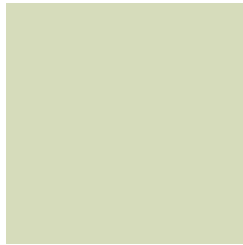


0.2506, 0.1734, 0.0729



# Previews

## White Background



This preview shows how the Yxy color 69.0704, 0.3306, 0.3666 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 69.0704, 0.3306, 0.3666 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

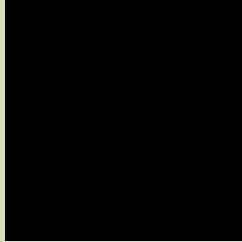
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

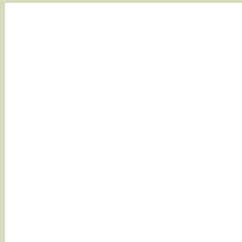
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.0704, 0.3306, 0.3666**

## Background



This preview shows how black text looks on a background with the Yxy color 69.0704, 0.3306, 0.3666.



This preview shows how white text looks on a background with the Yxy color 69.0704, 0.3306, 0.3666.

# 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

69.0704, 0.3306, 0.3666

### Protanopia

68.9454, 0.3426, 0.3634

### Deuteranopia

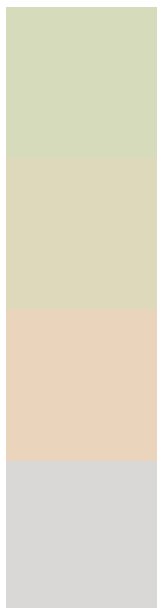
68.5600, 0.3570, 0.3492



## Tritanopia

69.0783, 0.3057, 0.3106

# Trichromacy



## Original Color

69.0704, 0.3306, 0.3666

## Protanomaly

68.7005, 0.3378, 0.3638

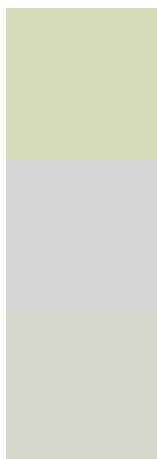
## Deuteranomaly

68.3800, 0.3474, 0.3552

## Tritanomaly

68.9235, 0.3148, 0.3301

# Monochromacy



## Original Color

69.0704, 0.3306, 0.3666

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

67.7675, 0.3194, 0.3426

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.0704, 0.3306, 0.3666 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, 220, 187)` looks like.

```
.text, #text, p{  
    color:rgb(214, 220, 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, 220, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 220, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 69.0704, 0.3306, 0.3666 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, 220, 187) }
```

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

```
.border{ border-color:rgb(214, 220, 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, 220, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 220, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 220, 187);  
box-shadow:4px 4px 4px 4px rgb(214, 220,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.0704, 0.3306, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 220, 187) }
```

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

```
.background{ background-color: rgb(214,  
220, 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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