

# Converting Colors

Yxy(68.4998, 0.3299, 0.3712)

Have a look what the booklet for  
Yxy(68.4998, 0.3299, 0.3712)  
contains.

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# Color

**Yxy(68.3487, 0.3297, 0.3704)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2DCB8
RGB	210, 220, 184
RGB Percent	82%, 86%, 72%
CMY	0.1762, 0.1373, 0.2784
CMYK	0.05, 0.00, 0.16, 0.14
HSL	77°, 34%, 79%
HSV	77°, 16%, 86%
XYZ	60.8385, 68.3487, 55.3396
YIQ	212.9060, 5.5960, -13.3160

# Conversions

## Conversions Part 2

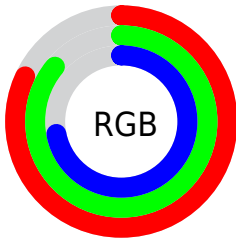
Format	Color
<a href="#">RYB</a>	184, 220, 194
Decimal	13819064
CIELab	86.18, -9.53, 16.57
CIELCh	86, 19.109, 119.903
Yxy	68.3487, 0.3297, 0.3704
Android (android.graphics.Color)	4292009144 (0xFFD2DCB8)
YUV	212.9060, -14.2507, -2.5486
Hunter-Lab	82.6733, -13.3218, 18.1839

# Details

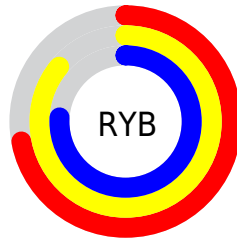
The Yxy color **68.3487, 0.3297, 0.3704** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.9129, 0.2938, 0.2861**, and the grayscale version is **66.5763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **35.5175, 0.3331, 0.3808** is the 20% darker color. If you saturate the color by 10%, you get **66.6258, 0.3400, 0.3973**, and if you desaturate by 10%, it is **70.2548, 0.3193, 0.3446**.

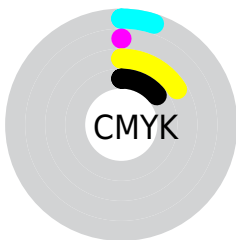
# Distribution



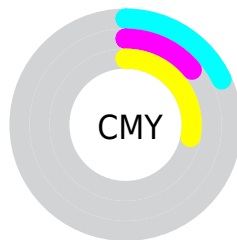
- Red (82%)
- Green (86%)
- Blue (72%)



- Red (72%)
- Yellow (86%)
- Blue (76%)



- Cyan (5%)
- Magenta (0%)
- Yellow (16%)
- Black (14%)



- Cyan (18%)
- Magenta (14%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3487, 0.3297, 0.3704 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 68.3487, 0.3297, 0.3704 by changing the saturation by 10% instead.




 68.3487, 0.3297,  
0.3704

 68.3487, 0.3297,  
0.3704

454.7305, 0.3219,  
0.3507

 50.1815, 0.3314,  
0.3750


 116.8508, 0.3270,  
0.3634

 35.5576, 0.3336,  
0.3809


147.9545, 0.3260,  
0.3608

 24.0927, 0.3362,  
0.3883


184.1392, 0.3251,  
0.3585

 15.4024, 0.3396,  
0.3983

225.7892, 0.3243,  
0.3565

 9.1023, 0.3441,  
0.4122

273.2889, 0.3236,  
0.3548

 4.8080, 0.3501,  
0.4329

327.0228, 0.3230,

 2.1350, 0.3590,

0.3532

0.4675

387.3752, 0.3224,  
0.3519

0.6842, 0.3791,  
0.6209

0.0000, 0.0000,  
0.0000

68.3487, 0.3297,  
0.3704

68.3487, 0.3297,  
0.3704

66.6258, 0.3400,  
0.3973

70.2548, 0.3193,  
0.3446

65.0702, 0.3498,  
0.4247

72.3416, 0.3090,  
0.3204

63.6773, 0.3586,  
0.4516

74.6184, 0.2992,  
0.2979

62.4389, 0.3658,  
0.4768

75.9466, 0.3002,  
0.2935

■ 61.3462, 0.3711,  
0.4993

■ 76.9927, 0.3043,  
0.2939

■ 60.3889, 0.3739,  
0.5179

■ 78.0742, 0.3084,  
0.2943

■ 59.5554, 0.3741,  
0.5319

■ 79.1916, 0.3126,  
0.2948

■ 58.8308, 0.3720,  
0.5411

■ 79.6588, 0.3143,  
0.2950

■ 58.5844, 0.3708,  
0.5438

# Harmonies

## Analogous

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



68.3487, 0.3492, 0.3673



68.3487, 0.3297, 0.3704



68.3487, 0.3061, 0.3613

# Triad

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



68.3487, 0.3297, 0.3704



68.3487, 0.2684, 0.3017



68.3487, 0.3407, 0.3156

# Complementary

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



68.3487, 0.3297, 0.3704



50.9129, 0.2938, 0.2861

# 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.



68.3487, 0.3180, 0.2996



68.3487, 0.3297, 0.3704



68.3487, 0.2768, 0.2913

# Square

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



68.3487, 0.3297, 0.3704



68.3487, 0.2713, 0.3203



68.3487, 0.2947, 0.2908



68.3487, 0.3559, 0.3352



# Rectangle

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



68.3487, 0.3297, 0.3704



68.3487, 0.2914, 0.3494



68.3487, 0.2947, 0.2908



68.3487, 0.3336, 0.3096

# Sweetspot

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



68.3517, 0.3297, 0.3704



98.5453, 0.3179, 0.3413



57.0828, 0.3419, 0.3402



21.0501, 0.3186, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

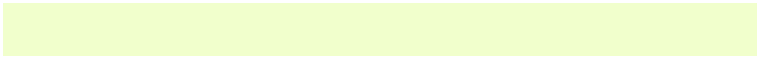


# Same Dimension

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



68.3517, 0.3297, 0.3704



94.5699, 0.3337, 0.3806



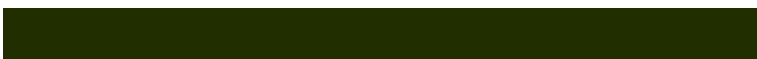
65.8996, 0.3167, 0.3721



15.0741, 0.3225, 0.3524



34.4458, 0.3716, 0.5432



2.2736, 0.3797, 0.5367



# Inverse Universe

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



50.9129, 0.2938, 0.2861



65.3204, 0.2887, 0.2750



53.3893, 0.3078, 0.2878



12.7900, 0.3024, 0.3051



3.6563, 0.1677, 0.0697



0.2794, 0.1850, 0.0793



# Previews

## White Background



This preview shows how the Yxy color 68.3487, 0.3297, 0.3704 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 68.3487, 0.3297, 0.3704 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

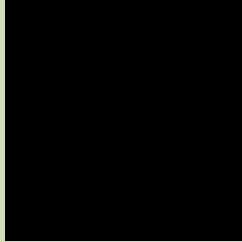
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

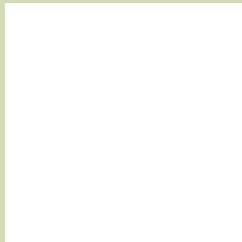
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.3487, 0.3297, 0.3704**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.3487, 0.3297, 0.3704.

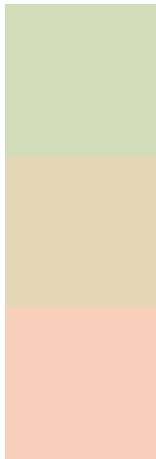


This preview shows how white text looks on a background with the Yxy color 68.3487, 0.3297, 0.3704.

# 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

68.3487, 0.3297, 0.3704

### Protanopia

68.2680, 0.3456, 0.3669

### Deuteranopia

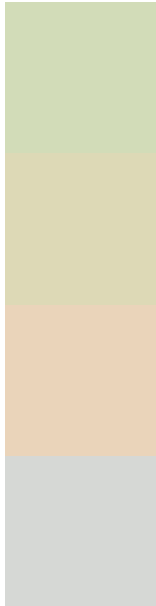
67.9877, 0.3588, 0.3503



## Tritanopia

68.0534, 0.3042, 0.3104

# Trichromacy



**Original Color**

68.3487, 0.3297, 0.3704

**Protanomaly**

68.3753, 0.3399, 0.3684

**Deuteranomaly**

68.1246, 0.3481, 0.3575

**Tritanomaly**

68.2120, 0.3133, 0.3324

# Monochromacy



**Original Color**

68.3487, 0.3297, 0.3704

**Achromatopsia**

66.5387, 0.3127, 0.3290

**Achromatomaly**

67.3731, 0.3193, 0.3449

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.3487, 0.3297, 0.3704 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(210, 220, 184)` looks like.

```
.text, #text, p{  
    color:rgb(210, 220, 184)  
}
```

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(210, 220, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 220, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 68.3487, 0.3297, 0.3704 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(210, 220, 184) }
```

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

```
.border{ border-color:rgb(210, 220, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 220, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 220, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 220, 184);  
box-shadow:4px 4px 4px 4px rgb(210, 220,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.3487, 0.3297, 0.3704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 220, 184) }
```

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

```
.background{ background-color: rgb(210,  
220, 184) }
```

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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