

# Converting Colors

$Yxy(72.0674, 0.3147, 0.3630)$

Have a look what the booklet for  
Yxy(72.0674, 0.3147, 0.3630)  
contains.

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# Color

**Yxy(72.2605, 0.3146, 0.3633)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CBE4C6
RGB	203, 228, 198
RGB Percent	80%, 89%, 78%
CMY	0.2037, 0.1059, 0.2236
CMYK	0.11, 0.00, 0.13, 0.11
HSL	110°, 36%, 84%
HSV	110°, 13%, 89%
XYZ	62.5741, 72.2605, 64.0658
YIQ	217.1050, -5.2700, -14.6300

# Conversions

## Conversions Part 2

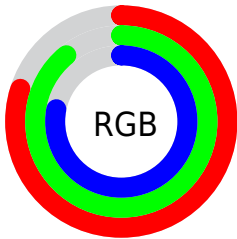
<b>Format</b>	<b>Color</b>
<b>RYB</b>	198, 228, 223
Decimal	13362374
CIELab	88.09, -13.71, 11.88
CIELCh	88, 18.145, 139.098
Yxy	72.2605, 0.3146, 0.3633
Android (android.graphics.Color)	4291552454 (0xFFCBE4C6)
YUV	217.1050, -9.4188, -12.3701
Hunter-Lab	85.0062, -17.3648, 14.8198

# Details

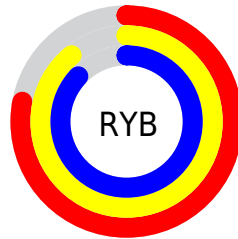
The Yxy color **72.2605, 0.3146, 0.3633** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.6586, 0.3104, 0.2962**, and the grayscale version is **69.5389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.2903, 0.3151, 0.3727** is the 20% darker color. If you saturate the color by 10%, you get **68.7888, 0.3158, 0.3929**, and if you desaturate by 10%, it is **76.2220, 0.3132, 0.3368**.

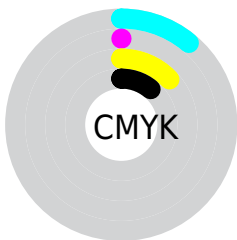
# Distribution



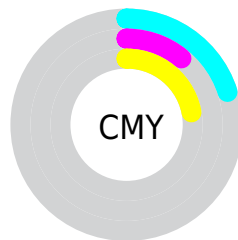
- Red (80%)
- Green (89%)
- Blue (78%)



- Red (78%)
- Yellow (89%)
- Blue (87%)



- Cyan (11%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)




- Cyan (20%)
- Magenta (11%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2605, 0.3146, 0.3633 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 72.2605, 0.3146, 0.3633 by changing the saturation by 10% instead.



 72.2605, 0.3146,  
0.3633

 72.2605, 0.3146,  
0.3633


468.4478, 0.3139,  
0.3471

 53.3715, 0.3147,  
0.3671


122.4268, 0.3144,  
0.3576

 38.0994, 0.3148,  
0.3719

154.4729, 0.3143,  
0.3554

 26.0599, 0.3149,  
0.3780


191.6735, 0.3142,  
0.3535

 16.8684, 0.3150,  
0.3861

234.4130, 0.3141,  
0.3519

 10.1407, 0.3150,  
0.3975

283.0758, 0.3141,  
0.3504

 5.4924, 0.3146,  
0.4144

338.0463, 0.3140,

 2.5389, 0.3133,

0.3492

0.4422

399.7088, 0.3140,  
0.3481

0.8961, 0.3318,  
0.5752

0.0000, 0.0000,  
0.0000

72.2605, 0.3146,  
0.3633

72.2605, 0.3146,  
0.3633

68.7888, 0.3158,  
0.3929

76.2220, 0.3132,  
0.3368

65.7788, 0.3166,  
0.4250

80.6816, 0.3117,  
0.3133

63.2137, 0.3168,  
0.4590

83.9631, 0.3139,  
0.3029

61.0720, 0.3164,  
0.4932

■ 59.3306, 0.3151,  
0.5257

■ 57.9638, 0.3130,  
0.5541

■ 56.9430, 0.3101,  
0.5761

■ 56.2352, 0.3068,  
0.5904

■ 55.9048, 0.3046,  
0.5963

# Harmonies

## Analogous

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



72.2605, 0.3359, 0.3678



72.2605, 0.3146, 0.3633



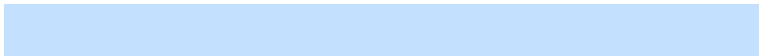
72.2605, 0.2933, 0.3485

# Triad

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



72.2605, 0.3146, 0.3633



72.2605, 0.2752, 0.2963



72.2605, 0.3490, 0.3281

# Complementary

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



72.2605, 0.3146, 0.3633



61.6586, 0.3104, 0.2962

# 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.



72.2605, 0.3317, 0.3105



72.2605, 0.3146, 0.3633



72.2605, 0.2891, 0.2924

# Square

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



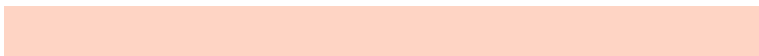
72.2605, 0.3146, 0.3633



72.2605, 0.2711, 0.3091



72.2605, 0.3096, 0.2976



72.2605, 0.3562, 0.3465



# Rectangle

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



72.2605, 0.3146, 0.3633



72.2605, 0.2820, 0.3352



72.2605, 0.3096, 0.2976



72.2605, 0.3441, 0.3219

# Sweetspot

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



72.2636, 0.3146, 0.3633



97.7878, 0.3133, 0.3389



73.0736, 0.3331, 0.3557



20.8441, 0.3134, 0.3408



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

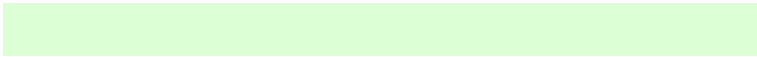


# Same Dimension

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



72.2636, 0.3146, 0.3633



91.7717, 0.3150, 0.3717



72.0157, 0.3051, 0.3525



16.2055, 0.3141, 0.3531



32.3184, 0.3053, 0.5958



2.4232, 0.3139, 0.5889



# Inverse Universe

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



61.6586, 0.3104, 0.2962



75.3909, 0.3097, 0.2887



61.9620, 0.3212, 0.3066



14.4856, 0.3111, 0.3057



9.5634, 0.2786, 0.1309

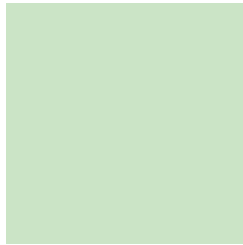


0.7394, 0.2852, 0.1345



# Previews

## White Background



This preview shows how the Yxy color 72.2605, 0.3146, 0.3633 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

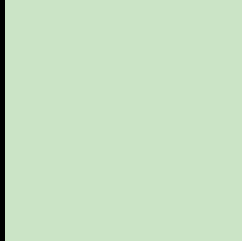
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.2605, 0.3146, 0.3633 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

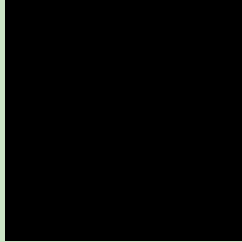
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

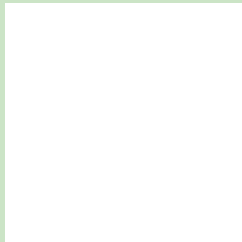
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.2605, 0.3146, 0.3633**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.2605, 0.3146, 0.3633.

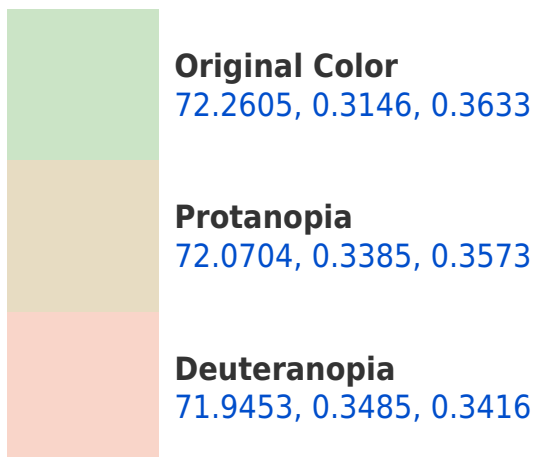


This preview shows how white text looks on a background with the Yxy color 72.2605, 0.3146, 0.3633.

# 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

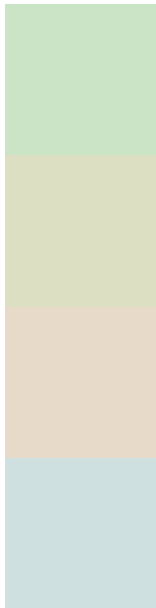




## Tritanopia

72.2355, 0.2931, 0.3094

# Trichromacy



**Original Color**

72.2605, 0.3146, 0.3633

**Protanomaly**

72.0876, 0.3299, 0.3601

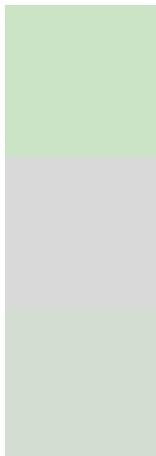
**Deuteranomaly**

71.4687, 0.3354, 0.3485

**Tritanomaly**

72.0129, 0.3004, 0.3279

# Monochromacy



**Original Color**

72.2605, 0.3146, 0.3633

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

70.3631, 0.3136, 0.3413

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.2605, 0.3146, 0.3633 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(203, 228, 198)` looks like.

```
.text, #text, p{  
    color:rgb(203, 228, 198)  
}
```

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(203, 228, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 228, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 72.2605, 0.3146, 0.3633 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(203, 228, 198) }
```

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

```
.border{ border-color:rgb(203, 228, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 228, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 228, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 228, 198);  
box-shadow:4px 4px 4px 4px rgb(203, 228,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.2605, 0.3146, 0.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 228, 198) }
```

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

```
.background{ background-color: rgb(203,  
228, 198) }
```

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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