

Converting Colors

$Yxy(67.1836, 0.3287, 0.3785)$

Have a look what the booklet for
Yxy(67.1836, 0.3287, 0.3785)
contains.

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Color

Yxy(67.0973, 0.3285, 0.3783)

Conversions

Conversions Part 1

Format	Color
Hex	CBDCB2
RGB	203, 220, 178
RGB Percent	80%, 86%, 70%
CMY	0.2038, 0.1373, 0.3019
CMYK	0.08, 0.00, 0.19, 0.14
HSL	84°, 37%, 78%
HSV	84°, 19%, 86%
XYZ	58.2645, 67.0973, 52.0035
YIQ	210.1290, 3.3500, -16.6660

Conversions

Conversions Part 2

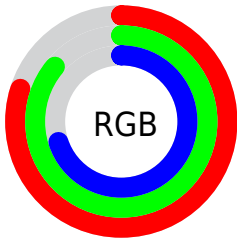
Format	Color
RYB	178, 220, 195
Decimal	13360306
CIELab	85.55, -12.99, 18.76
CIELCh	86, 22.814, 124.697
Yxy	67.0973, 0.3285, 0.3783
Android (android.graphics.Color)	4291550386 (0xFFCBDCB2)
YUV	210.1290, -15.8396, -6.2521
Hunter-Lab	81.9129, -16.3810, 19.6980

Details

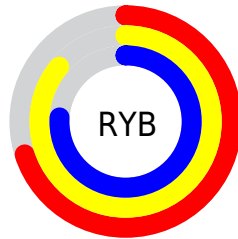
The Yxy color **67.0973, 0.3285, 0.3783** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.6102, 0.2945, 0.2788**, and the grayscale version is **64.6473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **34.7805, 0.3324, 0.3913** is the 20% darker color. If you saturate the color by 10%, you get **65.0734, 0.3365, 0.4064**, and if you desaturate by 10%, it is **69.3403, 0.3202, 0.3516**.

Distribution



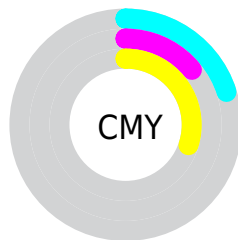
- Red (80%)
- Green (86%)
- Blue (70%)



- Red (70%)
- Yellow (86%)
- Blue (76%)



- Cyan (8%)
- Magenta (0%)
- Yellow (19%)
- Black (14%)



- Cyan (20%)
- Magenta (14%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.0973, 0.3285, 0.3783 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 67.0973, 0.3285, 0.3783 by changing the saturation by 10% instead.


 67.0973, 0.3285,
0.3783

 67.0973, 0.3285,
0.3783


450.2910, 0.3214,
0.3546

 49.1637, 0.3301,
0.3839


 115.0598, 0.3261,
0.3699

 34.7494, 0.3319,
0.3910


145.8575, 0.3251,
0.3667

 23.4699, 0.3343,
0.4001


181.7121, 0.3243,
0.3639

 14.9408, 0.3371,
0.4123

223.0078, 0.3236,
0.3616

 8.7779, 0.3408,
0.4295

270.1292, 0.3229,
0.3595

 4.5966, 0.3453,
0.4553

323.4606, 0.3224,

 2.0126, 0.3546,

0.3577

383.3864, 0.3219,
0.3561

0.5042

0.6148, 0.3030,
0.6970

0.0000, 0.0000,
0.0000

67.0973, 0.3285,
0.3783

67.0973, 0.3285,
0.3783

65.0734, 0.3365,
0.4064

69.3403, 0.3202,
0.3516

63.2519, 0.3438,
0.4352

71.8012, 0.3120,
0.3268

61.6273, 0.3499,
0.4637

74.4898, 0.3039,
0.3040

60.1903, 0.3544,
0.4907

76.6835, 0.3030,
0.2938

■ 58.9308, 0.3569,
0.5148

■ 78.2654, 0.3091,
0.2944

■ 57.8373, 0.3570,
0.5347

■ 79.6646, 0.3143,
0.2950

■ 56.8966, 0.3546,
0.5496

■ 56.0881, 0.3503,
0.5596

■ 56.0184, 0.3498,
0.5604

Harmonies

Analogous

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



67.0973, 0.3533, 0.3765



67.0973, 0.3285, 0.3783



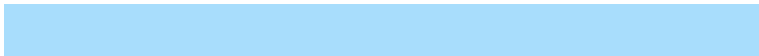
67.0973, 0.3002, 0.3651

Triad

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



67.0973, 0.3285, 0.3783



67.0973, 0.2606, 0.2933



67.0973, 0.3500, 0.3164

Complementary

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



67.0973, 0.3285, 0.3783



48.6102, 0.2945, 0.2788

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.



67.0973, 0.3236, 0.2965



67.0973, 0.3285, 0.3783



67.0973, 0.2725, 0.2830

Square

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



67.0973, 0.3285, 0.3783



67.0973, 0.2618, 0.3142



67.0973, 0.2952, 0.2845



67.0973, 0.3664, 0.3399

Rectangle

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



67.0973, 0.3285, 0.3783



67.0973, 0.2832, 0.3496



67.0973, 0.2952, 0.2845



67.0973, 0.3420, 0.3091

Sweetspot

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



67.1002, 0.3285, 0.3783



97.8998, 0.3177, 0.3439



57.3723, 0.3465, 0.3486



20.9071, 0.3183, 0.3456



0.0000, 0.0000, 0.0000



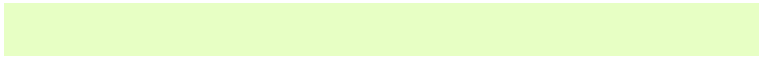
21.4041, 0.3127, 0.3290

Same Dimension

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



67.1002, 0.3285, 0.3783



92.5608, 0.3318, 0.3897



64.3697, 0.3133, 0.3807



14.9879, 0.3205, 0.3525



32.9444, 0.3508, 0.5596



2.1841, 0.3618, 0.5509

Inverse Universe

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



48.6102, 0.2945, 0.2788



62.0810, 0.2899, 0.2670



51.5797, 0.3115, 0.2813



12.8727, 0.3044, 0.3053



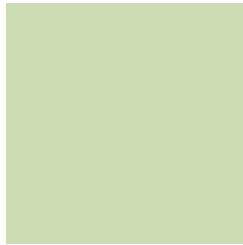
4.3370, 0.1856, 0.0796



0.3304, 0.2041, 0.0898

Previews

White Background



This preview shows how the Yxy color 67.0973, 0.3285, 0.3783 looks on a white background.

Color Contrast Check

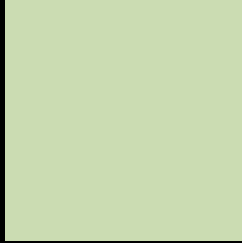
Large Text (above 18pt) WCAG AA × Fail

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 67.0973, 0.3285, 0.3783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

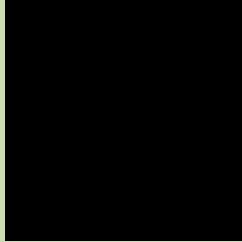
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

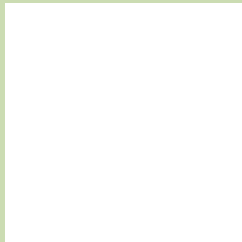
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.0973, 0.3285, 0.3783

Background



This preview shows how black text looks on a background with the Yxy color 67.0973, 0.3285, 0.3783.



This preview shows how white text looks on a background with the Yxy color 67.0973, 0.3285, 0.3783.

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

67.0973, 0.3285, 0.3783

Protanopia

66.8524, 0.3496, 0.3716

Deuteranopia

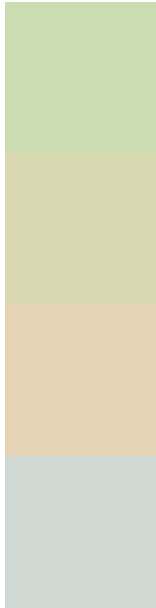
66.5917, 0.3631, 0.3547



Tritanopia

67.1506, 0.3000, 0.3102

Trichromacy



Original Color

67.0973, 0.3285, 0.3783

Protanomaly

67.1517, 0.3420, 0.3746

Deuteranomaly

66.2115, 0.3498, 0.3624

Tritanomaly

67.2248, 0.3103, 0.3347

Monochromacy



Original Color

67.0973, 0.3285, 0.3783

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.4357, 0.3185, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0973, 0.3285, 0.3783 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, 220, 178)` looks like.

```
.text, #text, p{  
    color:rgb(203, 220, 178)  
}
```

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, 220, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 220, 178) }
```

Border

The CSS property to change the border of an element to Yxy 67.0973, 0.3285, 0.3783 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, 220, 178) }
```

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

```
.border{ border-color:rgb(203, 220, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 220, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 220, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 220, 178);  
box-shadow:4px 4px 4px 4px rgb(203, 220,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0973, 0.3285, 0.3783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 220, 178) }
```

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

```
.background{ background-color: rgb(203,  
220, 178) }
```

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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