

Converting Colors

$Y_{xy}(69.1921, 0.3383, 0.3772)$

Have a look what the booklet for
Yxy(69.1921, 0.3383, 0.3772)
contains.

Yxy(68.9997, 0.3383, 0.3768)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.9997, 0.3383, 0.3768)

Conversions

Conversions Part 1

Format	Color
Hex	D8DCB2
RGB	216, 220, 178
RGB Percent	85%, 86%, 70%
CMY	0.1529, 0.1372, 0.3020
CMYK	0.02, 0.00, 0.19, 0.14
HSL	66°, 38%, 78%
HSV	66°, 19%, 86%
XYZ	61.9496, 68.9997, 52.1710
YIQ	214.0160, 11.0980, -13.9100

Conversions

Conversions Part 2

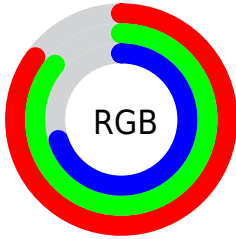
Format	Color
RYB	178, 220, 182
Decimal	14212274
CIELab	86.50, -8.31, 20.23
CIElCh	87, 21.870, 112.340
Yxy	68.9997, 0.3383, 0.3768
Android (android.graphics.Color)	4292402354 (0xFFD8DCB2)
YUV	214.0160, -17.7559, 1.7400
Hunter-Lab	83.0661, -12.2427, 20.9082

Details

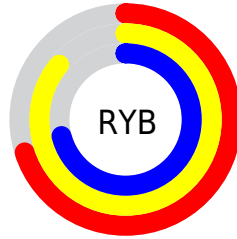
The Yxy color **68.9997, 0.3383, 0.3768** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **46.9519, 0.2842, 0.2773**, and the grayscale version is **67.3750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **35.9680, 0.3444, 0.3889** is the 20% darker color. If you saturate the color by 10%, you get **67.8720, 0.3517, 0.4026**, and if you desaturate by 10%, it is **70.2792, 0.3248, 0.3513**.

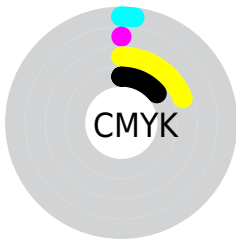
Distribution



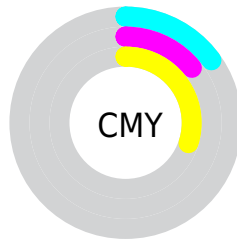
- Red (85%)
- Green (86%)
- Blue (70%)



- Red (70%)
- Yellow (86%)
- Blue (71%)



- Cyan (2%)
- Magenta (0%)
- Yellow (19%)
- Black (14%)




- Cyan (15%)
- Magenta (14%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9997, 0.3383, 0.3768 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 68.9997, 0.3383, 0.3768 by changing the saturation by 10% instead.


 68.9997, 0.3383,
0.3768

 68.9997, 0.3383,
0.3768


457.0299, 0.3266,
0.3541

 50.7115, 0.3409,
0.3821


 117.7811, 0.3343,
0.3688

 35.9790, 0.3442,
0.3887


149.0431, 0.3327,
0.3658

 24.4180, 0.3482,
0.3972


185.3985, 0.3313,
0.3631

 15.6440, 0.3533,
0.4084

227.2317, 0.3301,
0.3609

 9.2726, 0.3601,
0.4238

274.9270, 0.3291,
0.3589

 4.9194, 0.3691,
0.4464

328.8689, 0.3282,

 2.2000, 0.3854,

0.3571

0.4872

389.4417, 0.3273,
0.3555

0.7200, 0.4007,
0.5993

0.0000, 0.0000,
0.0000

68.9997, 0.3383,
0.3768

68.9997, 0.3383,
0.3768

67.8720, 0.3517,
0.4026

70.2792, 0.3248,
0.3513

66.8804, 0.3646,
0.4278


71.7078, 0.3115,
0.3268


66.0204, 0.3763,
0.4515


73.2944, 0.2989,
0.3037


65.2842, 0.3863,
0.4727

74.3158, 0.2935,
0.2928

 64.6628, 0.3942,
0.4905


 74.6529, 0.2949,
0.2929

 64.1461, 0.3995,
0.5040


 74.9941, 0.2963,
0.2931


 63.7222, 0.4021,
0.5131

 75.3394, 0.2977,
0.2932

 63.3720, 0.4025,
0.5182

 75.6890, 0.2991,
0.2934

 63.3416, 0.4025,
0.5186

 76.0427, 0.3005,
0.2935

Harmonies

Analogous

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



68.9997, 0.3584, 0.3697



68.9997, 0.3383, 0.3768



68.9997, 0.3119, 0.3699

Triad

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



68.9997, 0.3383, 0.3768



68.9997, 0.2620, 0.3023



68.9997, 0.3386, 0.3086

Complementary

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



68.9997, 0.3383, 0.3768



46.9519, 0.2842, 0.2773

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.



68.9997, 0.3117, 0.2923



68.9997, 0.3383, 0.3768



68.9997, 0.2683, 0.2880

Square

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



68.9997, 0.3383, 0.3768



68.9997, 0.2685, 0.3251



68.9997, 0.2862, 0.2847



68.9997, 0.3588, 0.3301

Rectangle

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



68.9997, 0.3383, 0.3768



68.9997, 0.2944, 0.3580



68.9997, 0.2862, 0.2847



68.9997, 0.3300, 0.3023

Sweetspot

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



69.0027, 0.3383, 0.3768



98.7786, 0.3207, 0.3438



51.6815, 0.3493, 0.3332



21.1152, 0.3216, 0.3454



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.



69.0027, 0.3383, 0.3768



95.7390, 0.3438, 0.3874



66.0713, 0.3229, 0.3792



15.1977, 0.3252, 0.3522



37.1999, 0.4028, 0.5184



2.4287, 0.4057, 0.5161

Inverse Universe

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



46.9519, 0.2842, 0.2773



59.4043, 0.2772, 0.2647



49.6343, 0.3005, 0.2797



12.6761, 0.2996, 0.3049



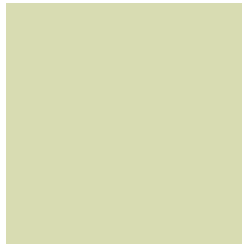
3.1472, 0.1534, 0.0618



0.2246, 0.1625, 0.0669

Previews

White Background



This preview shows how the Yxy color 68.9997, 0.3383, 0.3768 looks on a white background.

Color Contrast Check

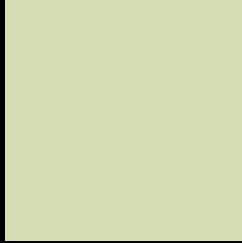
Large Text (above 18pt) WCAG AA × Fail

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 68.9997, 0.3383, 0.3768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

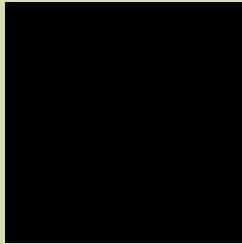
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

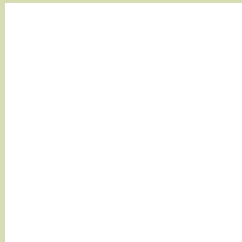
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.9997, 0.3383, 0.3768

Background



This preview shows how black text looks on a background with the Yxy color 68.9997, 0.3383, 0.3768.



This preview shows how white text looks on a background with the Yxy color 68.9997, 0.3383, 0.3768.

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

68.9997, 0.3383, 0.3768

Protanopia

68.9043, 0.3506, 0.3733

Deuteranopia

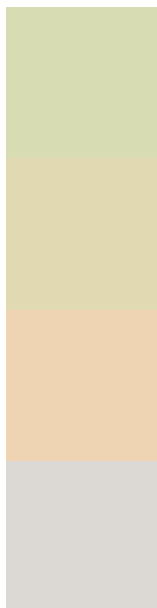
68.7310, 0.3663, 0.3585



Tritanopia

68.9896, 0.3085, 0.3107

Trichromacy



Original Color

68.9997, 0.3383, 0.3768

Protanomaly

68.6473, 0.3457, 0.3738

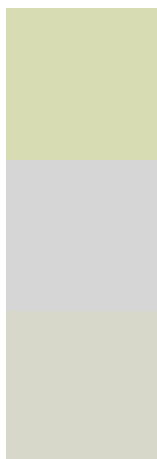
Deuteranomaly

68.5188, 0.3564, 0.3648

Tritanomaly

69.0305, 0.3190, 0.3345

Monochromacy



Original Color

68.9997, 0.3383, 0.3768

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.7759, 0.3222, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9997, 0.3383, 0.3768 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(216, 220, 178)` looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 220, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 220, 178) }
```

Border

The CSS property to change the border of an element to Yxy 68.9997, 0.3383, 0.3768 is called "border". The border property can be set on classes, ids or directly on the HTML element.

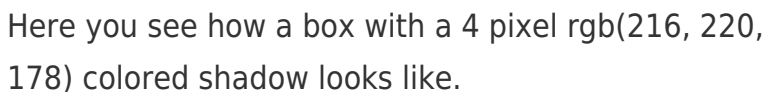
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 220, 178) }
```

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

```
.border{ border-color:rgb(216, 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(216, 220, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 220, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 220, 178); box-shadow:4px 4px 4px 4px rgb(216, 220, 178) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9997, 0.3383, 0.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 220, 178) }
```

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

```
.background{ background-color: rgb(216,  
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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