

Converting Colors

$Yxy(65.7271, 0.3254, 0.3965)$

Have a look what the booklet for
Yxy(65.7271, 0.3254, 0.3965)
contains.

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Color

Yxy(65.8145, 0.3258, 0.3971)

Conversions

Conversions Part 1

Format	Color
Hex	BDDEA6
RGB	189, 222, 166
RGB Percent	74%, 87%, 65%
CMY	0.2586, 0.1294, 0.3491
CMYK	0.15, 0.00, 0.25, 0.13
HSL	95°, 46%, 76%
HSV	95°, 25%, 87%
XYZ	53.9974, 65.8145, 45.9260
YIQ	205.7490, -1.6920, -24.4120

Conversions

Conversions Part 2

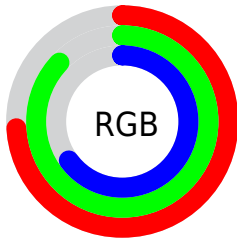
Format	Color
RYB	166, 222, 199
Decimal	12443302
CIELab	84.90, -20.81, 23.98
CIELCh	85, 31.751, 130.956
Yxy	65.8145, 0.3258, 0.3971
Android (android.graphics.Color)	4290633382 (0xFFBDDEA6)
YUV	205.7490, -19.5963, -14.6889
Hunter-Lab	81.1261, -23.1615, 23.2239

Details

The Yxy color **65.8145, 0.3258, 0.3971** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.6742, 0.2960, 0.2626**, and the grayscale version is **61.6865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3333, 0.3269, 0.3627**, and **34.0032, 0.3277, 0.4151** is the 20% darker color. If you saturate the color by 10%, you get **63.4756, 0.3303, 0.4275**, and if you desaturate by 10%, it is **68.4502, 0.3208, 0.3684**.

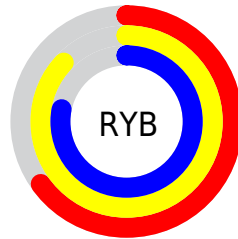
Distribution



Red (74%)

Green (87%)

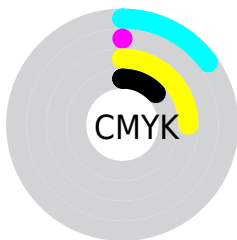
Blue (65%)



Red (65%)

Yellow (87%)

Blue (78%)

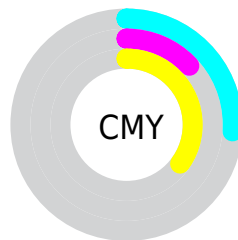


Cyan (15%)

Magenta (0%)

Yellow (25%)

Black (13%)



Cyan (26%)


Magenta (13%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8145, 0.3258, 0.3971 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 65.8145, 0.3258, 0.3971 by changing the saturation by 10% instead.

 65.8145, 0.3258,
0.3971

 65.8145, 0.3258,
0.3971


445.7132, 0.3203,
0.3639

 48.1218, 0.3269,
0.4051


 113.2200, 0.3240,
0.3852

 33.9234, 0.3281,
0.4152


 143.7017, 0.3233,
0.3807

 22.8347, 0.3295,
0.4283

179.2152, 0.3226,
0.3769

 14.4715, 0.3309,
0.4460

220.1448, 0.3221,
0.3736

 8.4493, 0.3320,
0.4711

266.8751, 0.3216,
0.3707

 4.3838, 0.3318,
0.5089

319.7903, 0.3211,

 1.8905, 0.3493,

0.3682

0.6119

379.2748, 0.3207,
0.3659

0.5426, 0.0140,
0.9860

0.0000, 0.0000,
0.0000

65.8145, 0.3258,
0.3971

65.8145, 0.3258,
0.3971

63.4756, 0.3303,
0.4275

68.4502, 0.3208,
0.3684

61.4137, 0.3338,
0.4587

71.3845, 0.3155,
0.3419

59.6197, 0.3361,
0.4894

74.6303, 0.3102,
0.3178

58.0805, 0.3367,
0.5181

78.1971, 0.3050,
0.2962

■ 56.7820, 0.3354,
0.5429

■ 80.5960, 0.3138,
0.2969

■ 55.7079, 0.3322,
0.5624

■ 80.7201, 0.3142,
0.2970

■ 54.8392, 0.3273,
0.5757

■ 54.4845, 0.3246,
0.5804

Harmonies

Analogous

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



65.8145, 0.3626, 0.3978



65.8145, 0.3258, 0.3971



65.8145, 0.2870, 0.3742

Triad

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



65.8145, 0.3258, 0.3971



65.8145, 0.2429, 0.2748



65.8145, 0.3715, 0.3175

Complementary

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



65.8145, 0.3258, 0.3971



44.6742, 0.2960, 0.2626

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.



65.8145, 0.3359, 0.2893



65.8145, 0.3258, 0.3971



65.8145, 0.2623, 0.2648

Square

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



65.8145, 0.3258, 0.3971



65.8145, 0.2408, 0.3003



65.8145, 0.2958, 0.2705



65.8145, 0.3905, 0.3497

Rectangle

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



65.8145, 0.3258, 0.3971



65.8145, 0.2651, 0.3501



65.8145, 0.2958, 0.2705



65.8145, 0.3609, 0.3074

Sweetspot

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



65.8174, 0.3258, 0.3971



96.5495, 0.3170, 0.3492



58.9711, 0.3568, 0.3669



20.5333, 0.3178, 0.3531



0.0000, 0.0000, 0.0000



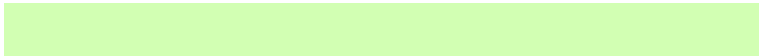
21.4041, 0.3127, 0.3290

Same Dimension

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



65.8174, 0.3258, 0.3971



88.4554, 0.3281, 0.4121



63.2726, 0.3065, 0.3944



15.6114, 0.3177, 0.3528



32.4257, 0.3257, 0.5796



2.2991, 0.3379, 0.5699

Inverse Universe

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



44.6742, 0.2960, 0.2626



55.0284, 0.2919, 0.2484



47.8229, 0.3195, 0.2713



13.6397, 0.3072, 0.3054



6.0465, 0.2209, 0.0991



0.4712, 0.2360, 0.1074

Previews

White Background



This preview shows how the Yxy color 65.8145, 0.3258, 0.3971 looks on a white background.

Color Contrast Check

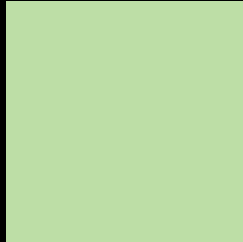
Large Text (above 18pt) WCAG AA × Fail

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 65.8145, 0.3258, 0.3971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

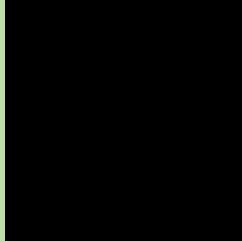
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

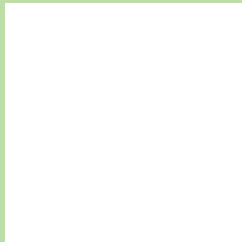
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.8145, 0.3258, 0.3971

Background



This preview shows how black text looks on a background with the Yxy color 65.8145, 0.3258, 0.3971.

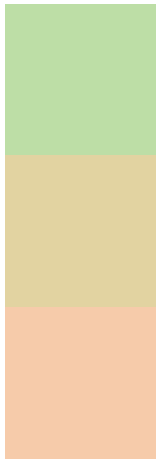


This preview shows how white text looks on a background with the Yxy color 65.8145, 0.3258, 0.3971.

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

65.8145, 0.3258, 0.3971

Protanopia

65.3305, 0.3604, 0.3854

Deuteranopia

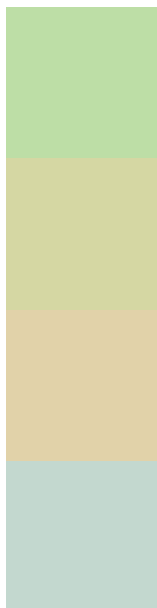
65.2070, 0.3723, 0.3644



Tritanopia

65.4438, 0.2916, 0.3097

Trichromacy



Original Color

65.8145, 0.3258, 0.3971

Protanomaly

65.3914, 0.3475, 0.3894

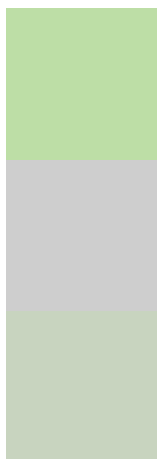
Deuteranomaly

64.9653, 0.3540, 0.3754

Tritanomaly

65.2188, 0.3036, 0.3395

Monochromacy



Original Color

65.8145, 0.3258, 0.3971

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

63.1279, 0.3182, 0.3539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8145, 0.3258, 0.3971 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(189, 222, 166)` looks like.

```
.text, #text, p{  
    color:rgb(189, 222, 166)  
}
```

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(189, 222, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 222, 166) }
```

Border

The CSS property to change the border of an element to Yxy 65.8145, 0.3258, 0.3971 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(189, 222, 166) }
```

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

```
.border{ border-color:rgb(189, 222, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 222, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 222, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 222, 166);  
box-shadow:4px 4px 4px 4px rgb(189, 222,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8145, 0.3258, 0.3971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 222, 166) }
```

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

```
.background{ background-color: rgb(189,  
222, 166) }
```

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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