

Converting Colors

Yxy(66.5471, 0.3304, 0.3943)

Have a look what the booklet for
Yxy(66.5471, 0.3304, 0.3943)
contains.

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Color

Yxy(66.7683, 0.3303, 0.3948)

Conversions

Conversions Part 1

Format	Color
Hex	C4DEA7
RGB	196, 222, 167
RGB Percent	77%, 87%, 65%
CMY	0.2314, 0.1294, 0.3452
CMYK	0.12, 0.00, 0.25, 0.13
HSL	88°, 45%, 76%
HSV	88°, 25%, 87%
XYZ	55.8601, 66.7683, 46.4909
YIQ	207.9560, 2.1590, -22.6170

Conversions

Conversions Part 2

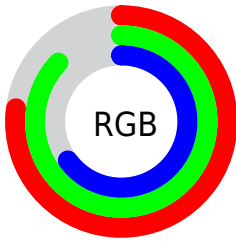
Format	Color
RYB	167, 222, 193
Decimal	12902055
CIELab	85.39, -18.19, 24.20
CIELCh	85, 30.279, 126.935
Yxy	66.7683, 0.3303, 0.3948
Android (android.graphics.Color)	4291092135 (0xFFC4DEA7)
YUV	207.9560, -20.1913, -10.4854
Hunter-Lab	81.7119, -20.9691, 23.4646

Details

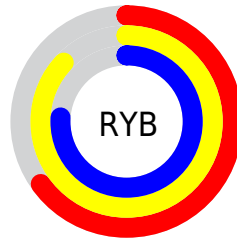
The Yxy color **66.7683, 0.3303, 0.3948** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.2383, 0.2911, 0.2629**, and the grayscale version is **63.1796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6766, 0.3308, 0.3613**, and **34.6260, 0.3337, 0.4116** is the 20% darker color. If you saturate the color by 10%, you get **64.6615, 0.3367, 0.4241**, and if you desaturate by 10%, it is **69.1203, 0.3233, 0.3669**.

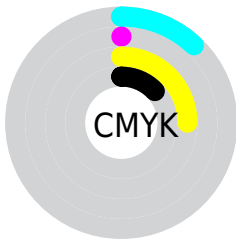
Distribution



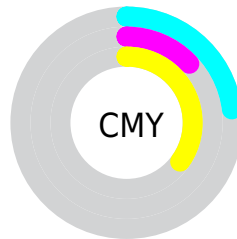
- Red (77%)
- Green (87%)
- Blue (65%)



- Red (65%)
- Yellow (87%)
- Blue (76%)



- Cyan (12%)
- Magenta (0%)
- Yellow (25%)
- Black (13%)




- Cyan (23%)
- Magenta (13%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7683, 0.3303, 0.3948 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 66.7683, 0.3303, 0.3948 by changing the saturation by 10% instead.


 66.7683, 0.3303,
0.3948


 66.7683, 0.3303,
0.3948

449.1196, 0.3226,
0.3629

 48.8964, 0.3319,
0.4024


 114.5883, 0.3278,
0.3835

 34.5373, 0.3338,
0.4120


 145.3052, 0.3267,
0.3791

 23.3066, 0.3360,
0.4244


181.0726, 0.3258,
0.3754

 14.8201, 0.3385,
0.4411

222.2747, 0.3250,
0.3723

 8.6932, 0.3414,
0.4645

269.2961, 0.3243,
0.3695

 4.5416, 0.3437,
0.4994

322.5211, 0.3237,

 1.9809, 0.3628,

0.3670

0.5888

382.3342, 0.3231,
0.3649

0.5964, 0.1706,
0.8294

0.0000, 0.0000,
0.0000

66.7683, 0.3303,
0.3948

66.7683, 0.3303,
0.3948

64.6615, 0.3367,
0.4241

69.1203, 0.3233,
0.3669

62.7819, 0.3423,
0.4538


71.7172, 0.3161,
0.3407


61.1225, 0.3464,
0.4827


74.5703, 0.3090,
0.3168

59.6725, 0.3487,
0.5095


77.6368, 0.3026,
0.2958


 58.4201, 0.3488,
0.5327

 79.5055, 0.3097,
0.2965

 57.3515, 0.3467,
0.5509

 80.7257, 0.3142,
0.2970

 56.4507, 0.3424,
0.5636

 56.0348, 0.3396,
0.5685

Harmonies

Analogous

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



66.7683, 0.3642, 0.3929



66.7683, 0.3303, 0.3948



66.7683, 0.2930, 0.3757

Triad

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



66.7683, 0.3303, 0.3948



66.7683, 0.2450, 0.2800



66.7683, 0.3646, 0.3142

Complementary

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



66.7683, 0.3303, 0.3948



44.2383, 0.2911, 0.2629

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.



66.7683, 0.3297, 0.2882



66.7683, 0.3303, 0.3948



66.7683, 0.2615, 0.2683

Square

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



66.7683, 0.3303, 0.3948



66.7683, 0.2453, 0.3061



66.7683, 0.2918, 0.2717



66.7683, 0.3852, 0.3448

Rectangle

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



66.7683, 0.3303, 0.3948



66.7683, 0.2713, 0.3539



66.7683, 0.2918, 0.2717



66.7683, 0.3541, 0.3048

Sweetspot

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



66.7712, 0.3303, 0.3948



97.3384, 0.3178, 0.3465



56.3084, 0.3576, 0.3590



20.7871, 0.3182, 0.3480



0.0000, 0.0000, 0.0000



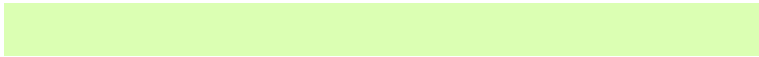
21.4041, 0.3127, 0.3290

Same Dimension

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



66.7712, 0.3303, 0.3948



89.7916, 0.3339, 0.4106



63.4492, 0.3107, 0.3989



15.6912, 0.3195, 0.3527



33.3483, 0.3407, 0.5677



2.3647, 0.3521, 0.5587

Inverse Universe

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



44.2383, 0.2911, 0.2629



53.6539, 0.2852, 0.2469



48.1460, 0.3140, 0.2673



13.5592, 0.3054, 0.3053



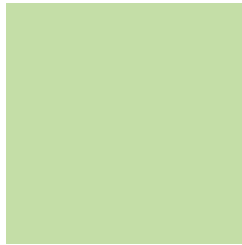
4.9780, 0.1974, 0.0861



0.3980, 0.2145, 0.0955

Previews

White Background



This preview shows how the Yxy color 66.7683, 0.3303, 0.3948 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 66.7683, 0.3303, 0.3948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

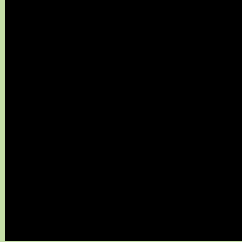
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

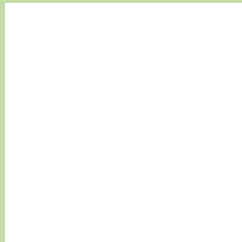
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.7683, 0.3303, 0.3948

Background



This preview shows how black text looks on a background with the Yxy color 66.7683, 0.3303, 0.3948.



This preview shows how white text looks on a background with the Yxy color 66.7683, 0.3303, 0.3948.

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

66.7683, 0.3303, 0.3948

Protanopia

66.7268, 0.3599, 0.3849

Deuteranopia

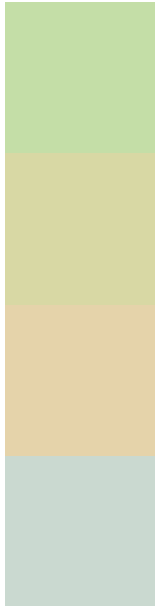
66.5594, 0.3725, 0.3652



Tritanopia

66.8418, 0.2952, 0.3100

Trichromacy



Original Color

66.7683, 0.3303, 0.3948

Protanomaly

66.3910, 0.3489, 0.3888

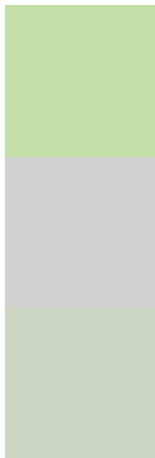
Deuteranomaly

66.1488, 0.3562, 0.3748

Tritanomaly

66.7363, 0.3079, 0.3394

Monochromacy



Original Color

66.7683, 0.3303, 0.3948

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.2761, 0.3198, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7683, 0.3303, 0.3948 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(196, 222, 167)` looks like.

```
.text, #text, p{  
    color:rgb(196, 222, 167)  
}
```

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(196, 222, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 222, 167) }
```

Border

The CSS property to change the border of an element to Yxy 66.7683, 0.3303, 0.3948 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(196, 222, 167) }
```

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

```
.border{ border-color:rgb(196, 222, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 222, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 222, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 222, 167);  
box-shadow:4px 4px 4px 4px rgb(196, 222,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7683, 0.3303, 0.3948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 222, 167) }
```

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

```
.background{ background-color: rgb(196,  
222, 167) }
```

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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