

Converting Colors

$Yxy(67.9901, 0.3330, 0.4018)$

Have a look what the booklet for
Yxy(67.9901, 0.3330, 0.4018)
contains.

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Color

Yxy(67.8260, 0.3333, 0.4016)

Conversions

Conversions Part 1

Format	Color
Hex	C5E0A3
RGB	197, 224, 163
RGB Percent	77%, 88%, 64%
CMY	0.2275, 0.1215, 0.3608
CMYK	0.12, 0.00, 0.27, 0.12
HSL	87°, 50%, 76%
HSV	87°, 27%, 88%
XYZ	56.2909, 67.8260, 44.7726
YIQ	208.9730, 3.4890, -24.6950

Conversions

Conversions Part 2

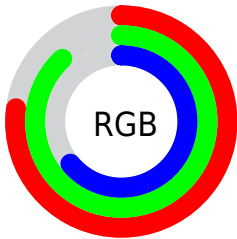
Format	Color
RYB	163, 224, 190
Decimal	12968099
CIELab	85.92, -19.42, 27.00
CIELCh	86, 33.256, 125.722
Yxy	67.8260, 0.3333, 0.4016
Android (android.graphics.Color)	4291158179 (0xFFC5E0A3)
YUV	208.9730, -22.6647, -10.5003
Hunter-Lab	82.3565, -22.1189, 25.4170

Details

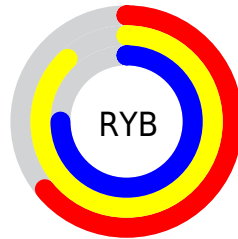
The Yxy color **67.8260, 0.3333, 0.4016** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.5237, 0.2870, 0.2554**, and the grayscale version is **63.8916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6528, 0.3339, 0.3652**, and **35.3633, 0.3374, 0.4204** is the 20% darker color. If you saturate the color by 10%, you get **65.8007, 0.3401, 0.4308**, and if you desaturate by 10%, it is **70.0876, 0.3259, 0.3735**.

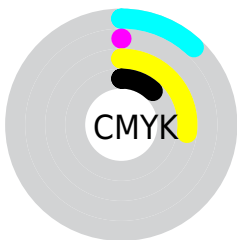
Distribution



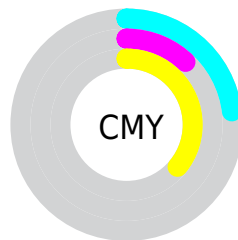
- Red (77%)
- Green (88%)
- Blue (64%)



- Red (64%)
- Yellow (88%)
- Blue (75%)



- Cyan (12%)
- Magenta (0%)
- Yellow (27%)
- Black (12%)





- Cyan (23%)
- Magenta (12%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8260, 0.3333, 0.4016 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 67.8260, 0.3333, 0.4016 by changing the saturation by 10% instead.

 67.8260, 0.3333,
0.4016

 67.8260, 0.3333,
0.4016

452.8793, 0.3244,
0.3665

 49.7562, 0.3351,
0.4100


 116.1032, 0.3304,
0.3891

 35.2197, 0.3373,
0.4205


 147.0794, 0.3292,
0.3844

 23.8322, 0.3398,
0.4340


183.1264, 0.3281,
0.3803

 15.2092, 0.3426,
0.4521

224.6288, 0.3272,
0.3768

 8.9663, 0.3456,
0.4774

271.9709, 0.3264,
0.3737

 4.7192, 0.3477,
0.5145


325.5371, 0.3256,

 2.0835, 0.3724,


0.3710

0.6183

385.7117, 0.3250,
0.3686

 0.6553, 0.1851,
0.8149


 0.0000, 0.0000,
0.0000


 67.8260, 0.3333,
0.4016

 67.8260, 0.3333,
0.4016

 65.8007, 0.3401,
0.4308


 70.0876, 0.3259,
0.3735

 63.9935, 0.3458,
0.4600

 72.5851, 0.3183,
0.3469


 62.3976, 0.3500,
0.4881


 75.3296, 0.3106,
0.3224

 61.0020, 0.3522,
0.5136


 78.3287, 0.3032,
0.3001


 59.7946, 0.3522,
0.5351

 80.2339, 0.3084,
0.2984

 58.7614, 0.3498,
0.5515

 81.7952, 0.3141,
0.2989

 57.8845, 0.3453,
0.5626

 57.6621, 0.3439,
0.5651

Harmonies

Analogous

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



67.8260, 0.3700, 0.3982



67.8260, 0.3333, 0.4016



67.8260, 0.2926, 0.3815

Triad

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



67.8260, 0.3333, 0.4016



67.8260, 0.2388, 0.2763



67.8260, 0.3682, 0.3115

Complementary

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



67.8260, 0.3333, 0.4016



42.5237, 0.2870, 0.2554

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.



67.8260, 0.3295, 0.2837



67.8260, 0.3333, 0.4016



67.8260, 0.2559, 0.2632

Square

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



67.8260, 0.3333, 0.4016



67.8260, 0.2398, 0.3052



67.8260, 0.2883, 0.2664



67.8260, 0.3916, 0.3445

Rectangle

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



67.8260, 0.3333, 0.4016



67.8260, 0.2688, 0.3579



67.8260, 0.2883, 0.2664



67.8260, 0.3564, 0.3014

Sweetspot

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



67.8290, 0.3333, 0.4016



97.0821, 0.3189, 0.3490



55.0751, 0.3635, 0.3598



20.6673, 0.3200, 0.3530



0.0000, 0.0000, 0.0000



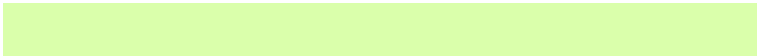
21.4041, 0.3127, 0.3290

Same Dimension

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



67.8290, 0.3333, 0.4016



89.3202, 0.3375, 0.4190



64.1819, 0.3118, 0.4066



15.7119, 0.3200, 0.3526



33.6303, 0.3450, 0.5643



2.3839, 0.3560, 0.5556

Inverse Universe

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



42.5237, 0.2870, 0.2554



49.7148, 0.2799, 0.2374



46.7816, 0.3124, 0.2607



13.5388, 0.3050, 0.3053



4.7482, 0.1920, 0.0832



0.3815, 0.2093, 0.0927

Previews

White Background



This preview shows how the Yxy color 67.8260, 0.3333, 0.4016 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 67.8260, 0.3333, 0.4016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

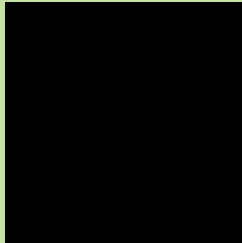
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.8260, 0.3333, 0.4016

Background



This preview shows how black text looks on a background with the Yxy color 67.8260, 0.3333, 0.4016.

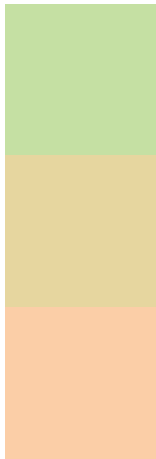


This preview shows how white text looks on a background with the Yxy color 67.8260, 0.3333, 0.4016.

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

67.8260, 0.3333, 0.4016

Protanopia

67.4193, 0.3641, 0.3900

Deuteranopia

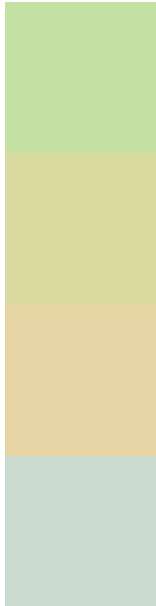
67.4419, 0.3777, 0.3701



Tritanopia

67.6925, 0.2959, 0.3101

Trichromacy



Original Color

67.8260, 0.3333, 0.4016

Protanomaly

67.5863, 0.3527, 0.3951

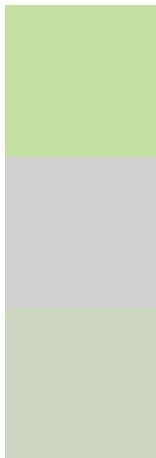
Deuteranomaly

67.3306, 0.3602, 0.3811

Tritanomaly

67.3443, 0.3093, 0.3416

Monochromacy



Original Color

67.8260, 0.3333, 0.4016

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.8780, 0.3211, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8260, 0.3333, 0.4016 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(197, 224, 163)` looks like.

```
.text, #text, p{  
    color:rgb(197, 224, 163)  
}
```

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(197, 224, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 224, 163) }
```

Border

The CSS property to change the border of an element to Yxy 67.8260, 0.3333, 0.4016 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(197, 224, 163) }
```

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

```
.border{ border-color:rgb(197, 224, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 224, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 224, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 224, 163); box-shadow:4px 4px 4px 4px rgb(197, 224, 163) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8260, 0.3333, 0.4016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 224, 163) }
```

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

```
.background{ background-color: rgb(197,  
224, 163) }
```

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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