

Converting Colors

$Yxy(68.1080, 0.3589, 0.4347)$

Have a look what the booklet for
Yxy(68.1080, 0.3589, 0.4347)
contains.

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Color

Yxy(68.1266, 0.3592, 0.4344)

Conversions

Conversions Part 1

Format	Color
Hex	CEE085
RGB	206, 224, 133
RGB Percent	81%, 88%, 52%
CMY	0.1923, 0.1215, 0.4784
CMYK	0.08, 0.00, 0.41, 0.12
HSL	72°, 59%, 70%
HSV	72°, 41%, 88%
XYZ	56.3330, 68.1266, 32.3695
YIQ	208.2440, 18.4830, -32.1170

Conversions

Conversions Part 2

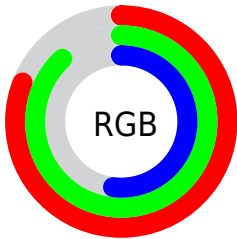
Format	Color
RYB	133, 224, 151
Decimal	13557893
CIELab	86.07, -19.96, 42.50
CIELCh	86, 46.954, 115.157
Yxy	68.1266, 0.3592, 0.4344
Android (android.graphics.Color)	4291747973 (0xFFCEE085)
YUV	208.2440, -37.0953, -1.9680
Hunter-Lab	82.5388, -22.6161, 34.5252




Details

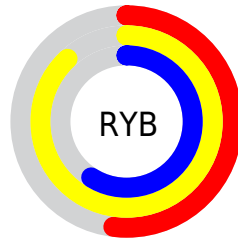
The Yxy color **68.1266, 0.3592, 0.4344** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **28.7429, 0.2516, 0.2089**, and the grayscale version is **63.4764, 0.3127, 0.3290**.




A 20% lighter version of the original color is **96.3679, 0.3532, 0.3959**, and **35.4540, 0.3676, 0.4614** is the 20% darker color. If you saturate the color by 10%, you get **66.9479, 0.3688, 0.4595**, and if you desaturate by 10%, it is **69.4615, 0.3484, 0.4080**.

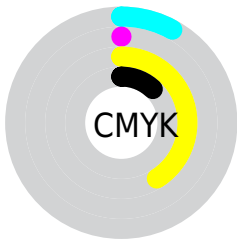
Distribution







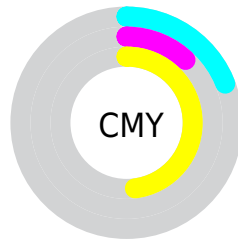
-  Red (81%)
-  Green (88%)
-  Blue (52%)






-  Red (52%)
-  Yellow (88%)
-  Blue (59%)



-  Cyan (8%)
-  Magenta (0%)
-  Yellow (41%)
-  Black (12%)




-  Cyan (19%)
-  Magenta (12%)
-  Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1266, 0.3592, 0.4344 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 68.1266, 0.3592, 0.4344 by changing the saturation by 10% instead.


 68.1266, 0.3592,
0.4344

 68.1266, 0.3592,
0.4344


453.9444, 0.3392,
0.3840


 50.0007, 0.3632,
0.4461


 116.5332, 0.3527,
0.4167

 35.4140, 0.3677,
0.4605


 147.5828, 0.3500,
0.4099

 23.9819, 0.3728,
0.4787


 183.7090, 0.3477,
0.4040

 15.3202, 0.3782,
0.5021

225.2964, 0.3456,
0.3989

 9.0444, 0.3828,
0.5325

272.7292, 0.3437,
0.3945

 4.7702, 0.3927,
0.5862

326.3919, 0.3420,

 2.1131, 0.3732,

0.3905

0.6268

386.6688, 0.3405,
0.3871

0.6720, 0.1839,
0.8161

0.0000, 0.0000,
0.0000

68.1266, 0.3592,
0.4344

68.1266, 0.3592,
0.4344

66.9479, 0.3688,
0.4595

69.4615, 0.3484,
0.4080

65.9075, 0.3766,
0.4823


70.9512, 0.3368,
0.3814


64.9989, 0.3822,
0.5016


72.6062, 0.3251,
0.3554


64.2112, 0.3853,
0.5166


74.4330, 0.3134,
0.3305


 63.5313, 0.3857,
0.5270

 76.4383, 0.3022,
0.3072

 62.9713, 0.3842,
0.5331

 77.8026, 0.2990,
0.2975

 78.5588, 0.3020,
0.2978

 79.3340, 0.3050,
0.2981

 80.1283, 0.3080,
0.2984

Harmonies

Analogous

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



68.1266, 0.4056, 0.4154



68.1266, 0.3592, 0.4344



68.1266, 0.3027, 0.4193

Triad

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



68.1266, 0.3592, 0.4344



68.1266, 0.2094, 0.2660



68.1266, 0.3729, 0.2898

Complementary

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



68.1266, 0.3592, 0.4344



28.7429, 0.2516, 0.2089

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.



68.1266, 0.3144, 0.2571



68.1266, 0.3592, 0.4344



68.1266, 0.2238, 0.2419

Square

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



68.1266, 0.3592, 0.4344



68.1266, 0.2187, 0.3121



68.1266, 0.2604, 0.2398



68.1266, 0.4161, 0.3320

Rectangle

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



68.1266, 0.3592, 0.4344



68.1266, 0.2672, 0.3897



68.1266, 0.2604, 0.2398



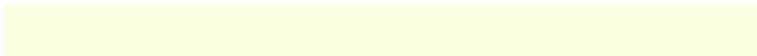
68.1266, 0.3541, 0.2775

Sweetspot

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



68.1297, 0.3592, 0.4344



97.0498, 0.3268, 0.3591



39.2561, 0.4076, 0.3491



20.7083, 0.3283, 0.3625



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.



68.1297, 0.3592, 0.4344



89.9893, 0.3677, 0.4564



62.6772, 0.3261, 0.4467



15.8850, 0.3237, 0.3524



36.6963, 0.3848, 0.5327



2.5790, 0.3904, 0.5282

Inverse Universe

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



28.7429, 0.2516, 0.2089



30.1522, 0.2353, 0.1795



33.7856, 0.2904, 0.2210



13.3736, 0.3011, 0.3050



3.4886, 0.1599, 0.0655



0.2792, 0.1742, 0.0733

Previews

White Background



This preview shows how the Yxy color 68.1266, 0.3592, 0.4344 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 68.1266, 0.3592, 0.4344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

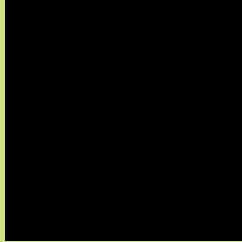
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.1266, 0.3592, 0.4344

Background



This preview shows how black text looks on a background with the Yxy color 68.1266, 0.3592, 0.4344.



This preview shows how white text looks on a background with the Yxy color 68.1266, 0.3592, 0.4344.

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

68.1266, 0.3592, 0.4344

Protanopia

67.8748, 0.3878, 0.4206

Deuteranopia

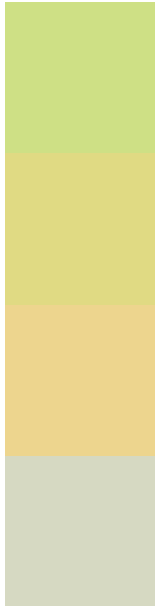
67.5092, 0.3962, 0.3900



Tritanopia

68.1511, 0.3056, 0.3115

Trichromacy



Original Color

68.1266, 0.3592, 0.4344

Protanomaly

67.6288, 0.3770, 0.4256

Deuteranomaly

67.5460, 0.3822, 0.4059

Tritanomaly

67.8169, 0.3262, 0.3552

Monochromacy



Original Color

68.1266, 0.3592, 0.4344

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.6947, 0.3303, 0.3677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1266, 0.3592, 0.4344 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(206, 224, 133)` looks like.

```
.text, #text, p{  
    color:rgb(206, 224, 133)  
}
```

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(206, 224, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 224, 133) }
```

Border

The CSS property to change the border of an element to Yxy 68.1266, 0.3592, 0.4344 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(206, 224, 133) }
```

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

```
.border{ border-color:rgb(206, 224, 133) }
```

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

Here you see how a box with a 4 pixel rgb(206, 224, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 224, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 224, 133);  
box-shadow:4px 4px 4px 4px rgb(206, 224,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1266, 0.3592, 0.4344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 224, 133) }
```

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

```
.background{ background-color: rgb(206,  
224, 133) }
```

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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