

Converting Colors

Yxy(68.1238, 0.3400, 0.4086)

Have a look what the booklet for
Yxy(68.1238, 0.3400, 0.4086)
contains.

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Color

Yxy(68.0250, 0.3394, 0.4082)

Conversions

Conversions Part 1

Format	Color
Hex	C8E09D
RGB	200, 224, 157
RGB Percent	78%, 88%, 62%
CMY	0.2157, 0.1215, 0.3842
CMYK	0.11, 0.00, 0.30, 0.12
HSL	82°, 52%, 75%
HSV	82°, 30%, 88%
XYZ	56.5597, 68.0250, 42.0615
YIQ	209.1860, 7.2030, -25.9250

Conversions

Conversions Part 2

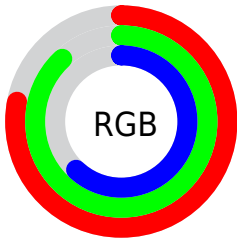
Format	Color
RYB	157, 224, 181
Decimal	13164701
CIELab	86.02, -19.18, 30.24
CIELCh	86, 35.805, 122.387
Yxy	68.0250, 0.3394, 0.4082
Android (android.graphics.Color)	4291354781 (0xFFC8E09D)
YUV	209.1860, -25.7277, -8.0561
Hunter-Lab	82.4773, -21.9268, 27.4975

Details

The Yxy color **68.0250, 0.3394, 0.4082** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.3383, 0.2792, 0.2463**, and the grayscale version is **64.0574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5335, 0.3382, 0.3711**, and **35.4156, 0.3443, 0.4291** is the 20% darker color. If you saturate the color by 10%, you get **66.2541, 0.3474, 0.4365**, and if you desaturate by 10%, it is **70.0003, 0.3307, 0.3804**.

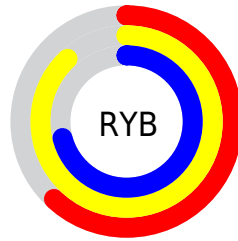
Distribution



Red (78%)

Green (88%)

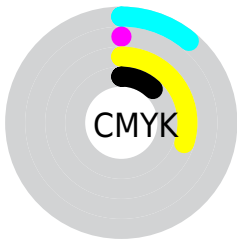
Blue (62%)



Red (62%)

Yellow (88%)

Blue (71%)

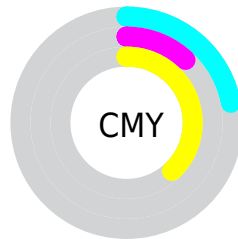


Cyan (11%)

Magenta (0%)

Yellow (30%)

Black (12%)



Cyan (22%)


Magenta (12%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0250, 0.3394, 0.4082 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 68.0250, 0.3394, 0.4082 by changing the saturation by 10% instead.

 68.0250, 0.3394,
0.4082

 68.0250, 0.3394,
0.4082


453.5846, 0.3278,
0.3700

 49.9181, 0.3418,
0.4173

 116.3879, 0.3356,
0.3947

 35.3483, 0.3446,
0.4286


 147.4127, 0.3340,
0.3895

 23.9313, 0.3479,
0.4432


183.5122, 0.3326,
0.3850

 15.2827, 0.3516,
0.4625

225.0708, 0.3314,
0.3812

 9.0180, 0.3556,
0.4892

272.4730, 0.3304,
0.3779

 4.7529, 0.3586,
0.5278

326.1031, 0.3294,

 2.1030, 0.3776,

0.3749

0.6224

386.3455, 0.3285,
0.3723

0.6663, 0.1986,
0.8014

0.0000, 0.0000,
0.0000

68.0250, 0.3394,
0.4082

68.0250, 0.3394,
0.4082

66.2541, 0.3474,
0.4365

70.0003, 0.3307,
0.3804

64.6701, 0.3542,
0.4643

72.1790, 0.3216,
0.3537

63.2666, 0.3594,
0.4903

74.5716, 0.3126,
0.3288

62.0334, 0.3623,
0.5132

77.1851, 0.3039,
0.3057

■ 60.9589, 0.3629,
0.5319

■ 79.0887, 0.3041,
0.2980

■ 60.0292, 0.3610,
0.5456

■ 80.5275, 0.3095,
0.2985

■ 59.2216, 0.3570,
0.5547

■ 81.7954, 0.3141,
0.2989

■ 59.2137, 0.3570,
0.5548

Harmonies

Analogous

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



68.0250, 0.3777, 0.4014



68.0250, 0.3394, 0.4082



68.0250, 0.2956, 0.3894

Triad

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



68.0250, 0.3394, 0.4082



68.0250, 0.2328, 0.2749



68.0250, 0.3683, 0.3064

Complementary

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



68.0250, 0.3394, 0.4082



39.3383, 0.2792, 0.2463

Split Complementary

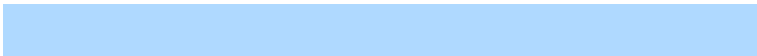
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.0250, 0.3255, 0.2779



68.0250, 0.3394, 0.4082



68.0250, 0.2489, 0.2592

Square

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



68.0250, 0.3394, 0.4082



68.0250, 0.2360, 0.3074



68.0250, 0.2819, 0.2609



68.0250, 0.3960, 0.3412

Rectangle

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



68.0250, 0.3394, 0.4082



68.0250, 0.2693, 0.3648



68.0250, 0.2819, 0.2609



68.0250, 0.3550, 0.2959

Sweetspot

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



68.0280, 0.3394, 0.4082



97.0810, 0.3209, 0.3516



51.1184, 0.3715, 0.3566



20.6831, 0.3222, 0.3554



0.0000, 0.0000, 0.0000



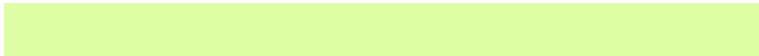
21.4041, 0.3127, 0.3290

Same Dimension

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



68.0280, 0.3394, 0.4082



89.7123, 0.3446, 0.4262



63.9750, 0.3155, 0.4144



15.7709, 0.3212, 0.3525



34.5309, 0.3579, 0.5540



2.4433, 0.3674, 0.5465

Inverse Universe

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



39.3383, 0.2792, 0.2463



45.2385, 0.2703, 0.2265



43.7979, 0.3074, 0.2529



13.4813, 0.3036, 0.3052



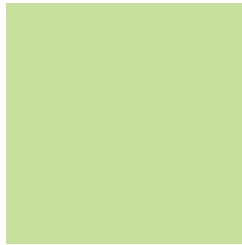
4.1931, 0.1784, 0.0757



0.3398, 0.1957, 0.0852

Previews

White Background



This preview shows how the Yxy color 68.0250, 0.3394, 0.4082 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 68.0250, 0.3394, 0.4082 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 68.0250, 0.3394, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 68.0250, 0.3394, 0.4082.



This preview shows how white text looks on a background with the Yxy color 68.0250, 0.3394, 0.4082.

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

68.0250, 0.3394, 0.4082

Protanopia

67.8897, 0.3689, 0.3974

Deuteranopia

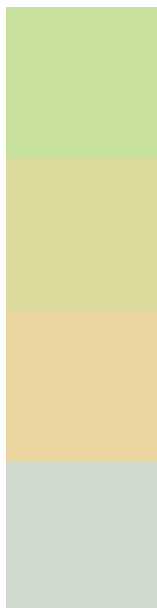
67.5985, 0.3840, 0.3761



Tritanopia

67.5643, 0.2986, 0.3102

Trichromacy



Original Color

68.0250, 0.3394, 0.4082

Protanomaly

67.6915, 0.3584, 0.4016

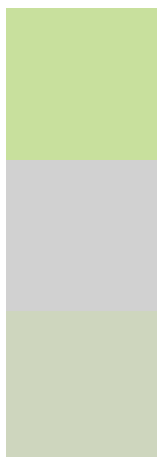
Deuteranomaly

67.6190, 0.3669, 0.3872

Tritanomaly

67.6243, 0.3134, 0.3450

Monochromacy



Original Color

68.0250, 0.3394, 0.4082

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.9327, 0.3233, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0250, 0.3394, 0.4082 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(200, 224, 157)` looks like.

```
.text, #text, p{  
    color:rgb(200, 224, 157)  
}
```

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(200, 224, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 224, 157) }
```

Border

The CSS property to change the border of an element to Yxy 68.0250, 0.3394, 0.4082 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(200, 224, 157) }
```

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

```
.border{ border-color:rgb(200, 224, 157) }
```

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

Here you see how a box with a 4 pixel rgb(200, 224, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 224, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 224, 157);  
box-shadow:4px 4px 4px 4px rgb(200, 224,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0250, 0.3394, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 224, 157) }
```

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

```
.background{ background-color: rgb(200,  
224, 157) }
```

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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