

Converting Colors

$Yxy(68.5838, 0.3245, 0.3694)$

Have a look what the booklet for
Yxy(68.5838, 0.3245, 0.3694)
contains.

Yxy(68.4226, 0.3245, 0.3684)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.4226, 0.3245, 0.3684)

Conversions

Conversions Part 1

Format	Color
Hex	CEDDBB
RGB	206, 221, 187
RGB Percent	81%, 87%, 73%
CMY	0.1923, 0.1333, 0.2667
CMYK	0.07, 0.00, 0.15, 0.13
HSL	87°, 33%, 80%
HSV	87°, 15%, 87%
XYZ	60.2691, 68.4226, 57.0374
YIQ	212.6390, 1.9740, -13.7540

Conversions

Conversions Part 2

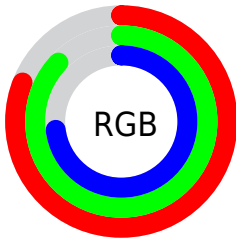
Format	Color
RYB	187, 221, 202
Decimal	13557179
CIELab	86.22, -11.03, 15.01
CIELCh	86, 18.631, 126.314
Yxy	68.4226, 0.3245, 0.3684
Android (android.graphics.Color)	4291747259 (0xFFCEDDBB)
YUV	212.6390, -12.6400, -5.8224
Hunter-Lab	82.7180, -14.6996, 17.0197

Details

The Yxy color **68.4226, 0.3245, 0.3684** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.3220, 0.2994, 0.2893**, and the grayscale version is **66.3675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **35.6691, 0.3273, 0.3780** is the 20% darker color. If you saturate the color by 10%, you get **66.1940, 0.3320, 0.3963**, and if you desaturate by 10%, it is **70.8900, 0.3168, 0.3423**.

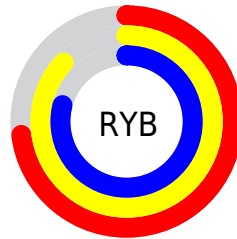
Distribution



Red (81%)

Green (87%)

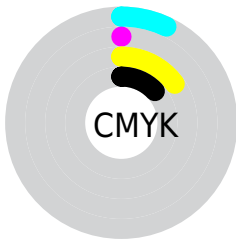
Blue (73%)



Red (73%)

Yellow (87%)

Blue (79%)

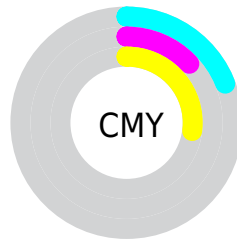


Cyan (7%)

Magenta (0%)

Yellow (15%)

Black (13%)



Cyan (19%)


Magenta (13%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.4226, 0.3245, 0.3684 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 68.4226, 0.3245, 0.3684 by changing the saturation by 10% instead.

 68.4226, 0.3245,
0.3684

 68.4226, 0.3245,
0.3684


454.9919, 0.3192,
0.3496

 50.2416, 0.3257,
0.3728


 116.9565, 0.3227,
0.3618

 35.6054, 0.3271,
0.3784


148.0782, 0.3220,
0.3592

 24.1296, 0.3289,
0.3856


184.2823, 0.3213,
0.3570

 15.4298, 0.3311,
0.3952

225.9531, 0.3208,
0.3551

 9.1216, 0.3340,
0.4086

273.4751, 0.3203,
0.3535

 4.8206, 0.3378,
0.4287

327.2326, 0.3199,

 2.1424, 0.3426,

0.3520

0.4621

387.6101, 0.3195,
0.3507

0.6883, 0.3586,
0.6414

0.0000, 0.0000,
0.0000

68.4226, 0.3245,
0.3684

68.4226, 0.3245,
0.3684

66.1940, 0.3320,
0.3963

70.8900, 0.3168,
0.3423

64.1870, 0.3389,
0.4253

73.5951, 0.3092,
0.3182

62.3959, 0.3448,
0.4546


76.5481, 0.3019,
0.2963


60.8113, 0.3494,
0.4829


78.3719, 0.3075,
0.2953


 59.4227, 0.3520,
0.5090


 80.1794, 0.3142,
0.2960

 58.2188, 0.3524,
0.5313

 80.2029, 0.3143,
0.2960

 57.1863, 0.3505,
0.5488

 56.3095, 0.3463,
0.5608

 55.9467, 0.3440,
0.5651

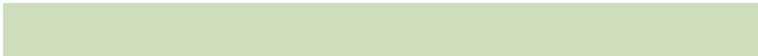
Harmonies

Analogous

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



68.4226, 0.3449, 0.3680



68.4226, 0.3245, 0.3684



68.4226, 0.3015, 0.3571

Triad

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



68.4226, 0.3245, 0.3684



68.4226, 0.2704, 0.2994



68.4226, 0.3439, 0.3198

Complementary

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



68.4226, 0.3245, 0.3684



53.3220, 0.2994, 0.2893

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.



68.4226, 0.3229, 0.3031



68.4226, 0.3245, 0.3684



68.4226, 0.2807, 0.2913

Square

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



68.4226, 0.3245, 0.3684



68.4226, 0.2708, 0.3162



68.4226, 0.2997, 0.2928



68.4226, 0.3565, 0.3392

Rectangle

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



68.4226, 0.3245, 0.3684



68.4226, 0.2878, 0.3446



68.4226, 0.2997, 0.2928



68.4226, 0.3376, 0.3138

Sweetspot

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



68.4256, 0.3245, 0.3684



98.1510, 0.3166, 0.3414



61.0797, 0.3390, 0.3459



20.9542, 0.3171, 0.3432



0.0000, 0.0000, 0.0000



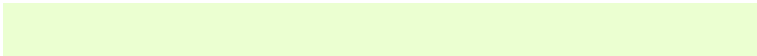
21.4041, 0.3127, 0.3290

Same Dimension

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



68.4256, 0.3245, 0.3684



93.7362, 0.3266, 0.3759



66.1622, 0.3124, 0.3699



14.9622, 0.3199, 0.3526



32.5622, 0.3450, 0.5642



2.1603, 0.3567, 0.5550

Inverse Universe

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



53.3220, 0.2994, 0.2893



69.5972, 0.2967, 0.2817



55.7792, 0.3127, 0.2909



12.8978, 0.3050, 0.3053



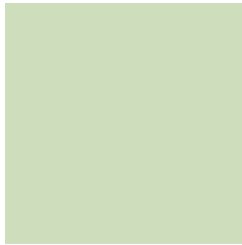
4.6006, 0.1921, 0.0832



0.3486, 0.2105, 0.0933

Previews

White Background



This preview shows how the Yxy color 68.4226, 0.3245, 0.3684 looks on a white background.

Color Contrast Check

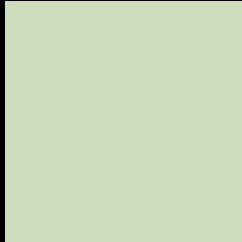
Large Text (above 18pt) WCAG AA × Fail

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 68.4226, 0.3245, 0.3684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

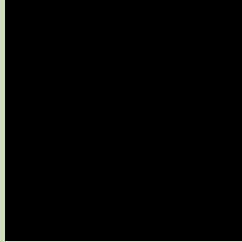
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

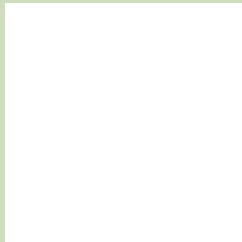
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.4226, 0.3245, 0.3684

Background



This preview shows how black text looks on a background with the Yxy color 68.4226, 0.3245, 0.3684.



This preview shows how white text looks on a background with the Yxy color 68.4226, 0.3245, 0.3684.

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

68.4226, 0.3245, 0.3684

Protanopia

68.2303, 0.3427, 0.3636

Deuteranopia

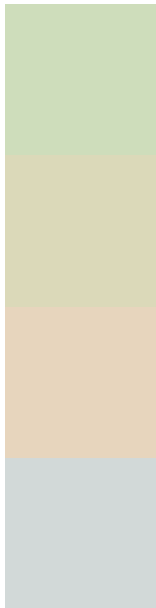
68.4223, 0.3555, 0.3482



Tritanopia

68.5732, 0.3001, 0.3103

Trichromacy



Original Color

68.4226, 0.3245, 0.3684

Protanomaly

68.1886, 0.3362, 0.3652

Deuteranomaly

68.2515, 0.3434, 0.3554

Tritanomaly

68.2852, 0.3084, 0.3301

Monochromacy



Original Color

68.4226, 0.3245, 0.3684

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.1730, 0.3164, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4226, 0.3245, 0.3684 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, 221, 187)` looks like.

```
.text, #text, p{  
    color:rgb(206, 221, 187)  
}
```

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, 221, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 221, 187) }
```

Border

The CSS property to change the border of an element to Yxy 68.4226, 0.3245, 0.3684 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, 221, 187) }
```

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

```
.border{ border-color:rgb(206, 221, 187) }
```

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

Here you see how a box with a 4 pixel rgb(206, 221, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 221, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 221, 187);  
box-shadow:4px 4px 4px 4px rgb(206, 221,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4226, 0.3245, 0.3684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 221, 187) }
```

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

```
.background{ background-color: rgb(206,  
221, 187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor