

Converting Colors

Yxy(67.0454, 0.3300, 0.3941)

Have a look what the booklet for
Yxy(67.0454, 0.3300, 0.3941)
contains.

Yxy(66.8055, 0.3296, 0.3935)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.8055, 0.3296, 0.3935)

Conversions

Conversions Part 1

Format	Color
Hex	C4DEA8
RGB	196, 222, 168
RGB Percent	77%, 87%, 66%
CMY	0.2314, 0.1294, 0.3410
CMYK	0.12, 0.00, 0.24, 0.13
HSL	89°, 45%, 76%
HSV	89°, 24%, 87%
XYZ	55.9570, 66.8055, 47.0100
YIQ	208.0700, 1.8380, -22.3060

Conversions

Conversions Part 2

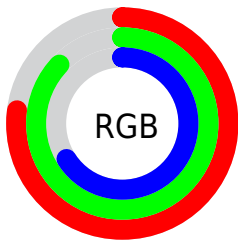
Format	Color
RYB	168, 222, 194
Decimal	12902056
CIELab	85.41, -18.03, 23.68
CIElCh	85, 29.762, 127.296
Yxy	66.8055, 0.3296, 0.3935
Android (android.graphics.Color)	4291092136 (0xFFC4DEA8)
YUV	208.0700, -19.7545, -10.5854
Hunter-Lab	81.7346, -20.8312, 23.1133

Details

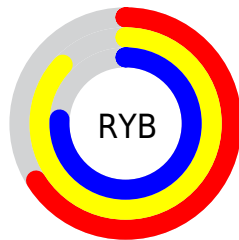
The Yxy color **66.8055, 0.3296, 0.3935** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.7691, 0.2920, 0.2643**, and the grayscale version is **63.2574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7304, 0.3302, 0.3603**, and **34.6492, 0.3328, 0.4100** is the 20% darker color. If you saturate the color by 10%, you get **64.6663, 0.3359, 0.4228**, and if you desaturate by 10%, it is **69.1940, 0.3228, 0.3656**.

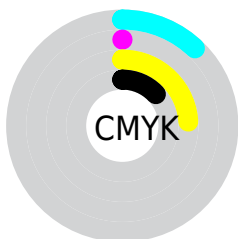
Distribution



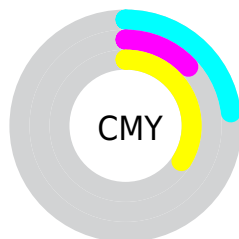
- Red (77%)
- Green (87%)
- Blue (66%)



- Red (66%)
- Yellow (87%)
- Blue (76%)



- Cyan (12%)
- Magenta (0%)
- Yellow (24%)
- Black (13%)





- Cyan (23%)
- Magenta (13%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8055, 0.3296, 0.3935 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 66.8055, 0.3296, 0.3935 by changing the saturation by 10% instead.


 66.8055, 0.3296,
0.3935

 66.8055, 0.3296,
0.3935


449.2521, 0.3222,
0.3623

 48.9266, 0.3311,
0.4010


 114.6417, 0.3272,
0.3824

 34.5612, 0.3329,
0.4104


 145.3677, 0.3262,
0.3782

 23.3251, 0.3351,
0.4225


181.1449, 0.3253,
0.3745

 14.8337, 0.3375,
0.4389

222.3577, 0.3245,
0.3714

 8.7028, 0.3403,
0.4618

269.3904, 0.3239,
0.3687

 4.5478, 0.3426,
0.4961

322.6274, 0.3233,

 1.9845, 0.3597,

0.3663

0.5812

382.4532, 0.3227,
0.3642

0.5984, 0.1768,
0.8232

0.0000, 0.0000,
0.0000

66.8055, 0.3296,
0.3935

66.8055, 0.3296,
0.3935

64.6663, 0.3359,
0.4228

69.1940, 0.3228,
0.3656

62.7585, 0.3413,
0.4526


71.8320, 0.3157,
0.3396


61.0750, 0.3454,
0.4818


74.7304, 0.3088,
0.3157

59.6049, 0.3477,
0.5089


77.7780, 0.3032,
0.2959


 58.3361, 0.3478,
0.5324

 79.6931, 0.3104,
0.2966

 57.2551, 0.3456,
0.5511

 80.7239, 0.3142,
0.2970

 56.3457, 0.3413,
0.5641

 55.8908, 0.3383,
0.5696

Harmonies

Analogous

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



66.8055, 0.3630, 0.3920



66.8055, 0.3296, 0.3935



66.8055, 0.2930, 0.3745

Triad

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



66.8055, 0.3296, 0.3935



66.8055, 0.2462, 0.2806



66.8055, 0.3641, 0.3149

Complementary

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



66.8055, 0.3296, 0.3935



44.7691, 0.2920, 0.2643

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.



66.8055, 0.3299, 0.2891



66.8055, 0.3296, 0.3935



66.8055, 0.2626, 0.2692

Square

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



66.8055, 0.3296, 0.3935



66.8055, 0.2462, 0.3062



66.8055, 0.2926, 0.2727



66.8055, 0.3841, 0.3450

Rectangle

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



66.8055, 0.3296, 0.3935



66.8055, 0.2717, 0.3531



66.8055, 0.2926, 0.2727



66.8055, 0.3538, 0.3055

Sweetspot

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



66.8084, 0.3296, 0.3935



97.3083, 0.3177, 0.3465



56.5971, 0.3566, 0.3584



20.7801, 0.3181, 0.3481



0.0000, 0.0000, 0.0000



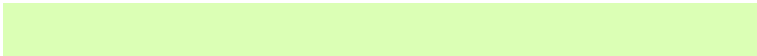
21.4041, 0.3127, 0.3290

Same Dimension

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



66.8084, 0.3296, 0.3935



89.9754, 0.3328, 0.4078



63.6006, 0.3107, 0.3974



15.6847, 0.3194, 0.3527



33.2638, 0.3393, 0.5688



2.3589, 0.3509, 0.5596

Inverse Universe

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



44.7691, 0.2920, 0.2643



54.9912, 0.2869, 0.2500



48.5417, 0.3140, 0.2685



13.5657, 0.3056, 0.3053



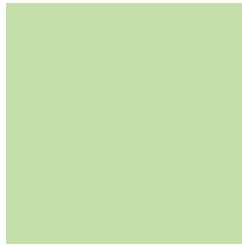
5.0537, 0.1992, 0.0871



0.4034, 0.2161, 0.0964

Previews

White Background



This preview shows how the Yxy color 66.8055, 0.3296, 0.3935 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 66.8055, 0.3296, 0.3935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

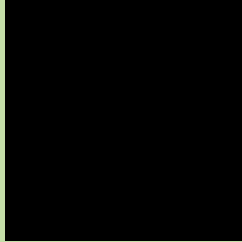
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.8055, 0.3296, 0.3935

Background



This preview shows how black text looks on a background with the Yxy color 66.8055, 0.3296, 0.3935.



This preview shows how white text looks on a background with the Yxy color 66.8055, 0.3296, 0.3935.

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

66.8055, 0.3296, 0.3935

Protanopia

66.5997, 0.3584, 0.3839

Deuteranopia

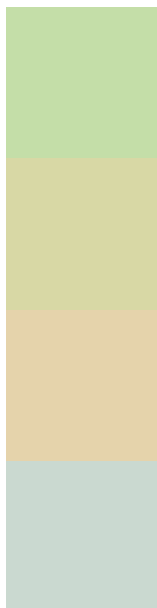
66.5977, 0.3718, 0.3641



Tritanopia

66.8418, 0.2952, 0.3100

Trichromacy



Original Color

66.8055, 0.3296, 0.3935

Protanomaly

66.4273, 0.3482, 0.3876

Deuteranomaly

66.1868, 0.3554, 0.3737

Tritanomaly

66.7363, 0.3079, 0.3394

Monochromacy



Original Color

66.8055, 0.3296, 0.3935

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 66.8055, 0.3296, 0.3935 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(196, 222, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 222, 168) }
```

Border

The CSS property to change the border of an element to Yxy 66.8055, 0.3296, 0.3935 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, 168) }
```

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

```
.border{ border-color:rgb(196, 222, 168) }
```

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, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 222, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 222, 168);  
box-shadow:4px 4px 4px 4px rgb(196, 222,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8055, 0.3296, 0.3935 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, 168) }
```

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

```
.background{ background-color: rgb(196,  
222, 168) }
```

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