

Converting Colors

$Yxy(66.8369, 0.3379, 0.3820)$

Have a look what the booklet for
Yxy(66.8369, 0.3379, 0.3820)
contains.

Yxy(66.8230, 0.3382, 0.3824)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.8230, 0.3382, 0.3824)

Conversions

Conversions Part 1

Format	Color
Hex	D2DAAC
RGB	210, 218, 172
RGB Percent	82%, 85%, 67%
CMY	0.1764, 0.1451, 0.3254
CMYK	0.04, 0.00, 0.21, 0.15
HSL	70°, 38%, 76%
HSV	70°, 21%, 85%
XYZ	59.0992, 66.8230, 48.8241
YIQ	210.3640, 9.9980, -16.0020

Conversions

Conversions Part 2

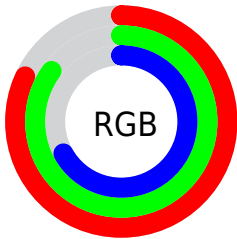
Format	Color
RYB	172, 218, 180
Decimal	13818540
CIELab	85.41, -10.37, 21.77
CIELCh	85, 24.115, 115.470
Yxy	66.8230, 0.3382, 0.3824
Android (android.graphics.Color)	4292008620 (0xFFD2DAAC)
YUV	210.3640, -18.9135, -0.3192
Hunter-Lab	81.7453, -14.0047, 21.8095

Details

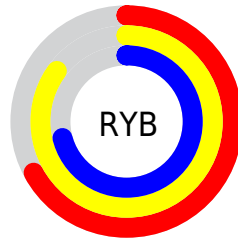
The Yxy color **66.8230, 0.3382, 0.3824** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.2818, 0.2837, 0.2717**, and the grayscale version is **64.8255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **34.4949, 0.3443, 0.3966** is the 20% darker color. If you saturate the color by 10%, you get **65.5058, 0.3501, 0.4088**, and if you desaturate by 10%, it is **68.2967, 0.3260, 0.3565**.

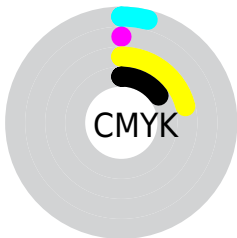
Distribution



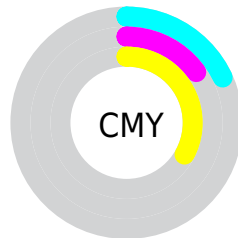
- Red (82%)
- Green (85%)
- Blue (67%)



- Red (67%)
- Yellow (85%)
- Blue (71%)



- Cyan (4%)
- Magenta (0%)
- Yellow (21%)
- Black (15%)



- Cyan (18%)
- Magenta (15%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8230, 0.3382, 0.3824 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 66.8230, 0.3382, 0.3824 by changing the saturation by 10% instead.

66.8230, 0.3382,
0.3824

66.8230, 0.3382,
0.3824

449.3145, 0.3265,
0.3568

48.9408, 0.3408,
0.3884

114.6668, 0.3342,
0.3734

34.5725, 0.3440,
0.3960

145.3971, 0.3326,
0.3699

23.3338, 0.3479,
0.4057

181.1789, 0.3313,
0.3669

14.8402, 0.3529,
0.4186

222.3967, 0.3301,
0.3644

8.7073, 0.3594,
0.4366

269.4347, 0.3290,
0.3621

4.5507, 0.3677,
0.4630

322.6774, 0.3281,

1.9862, 0.3903,

0.3602

0.5215

382.5092, 0.3273,
0.3584

0.5994, 0.3456,
0.6544

0.0000, 0.0000,
0.0000

66.8230, 0.3382,
0.3824

66.8230, 0.3382,
0.3824

65.5058, 0.3501,
0.4088

68.2967, 0.3260,
0.3565

64.3295, 0.3614,
0.4348


69.9243, 0.3140,
0.3316


63.2897, 0.3713,
0.4594

71.7148, 0.3024,
0.3083

62.3782, 0.3795,
0.4815


73.3987, 0.2940,
0.2907


 61.5863, 0.3855,
0.5001


 74.0153, 0.2965,
0.2910

 60.9034, 0.3888,
0.5145


 74.6456, 0.2991,
0.2913

 60.3176, 0.3896,
0.5242

 75.2896, 0.3017,
0.2916

 59.8585, 0.3886,
0.5297

 75.9473, 0.3043,
0.2919

 76.6189, 0.3069,
0.2922

Harmonies

Analogous

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



66.8230, 0.3618, 0.3757



66.8230, 0.3382, 0.3824



66.8230, 0.3085, 0.3732

Triad

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



66.8230, 0.3382, 0.3824



66.8230, 0.2566, 0.2969



66.8230, 0.3444, 0.3086

Complementary

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



66.8230, 0.3382, 0.3824



44.2818, 0.2837, 0.2717

Split Complementary

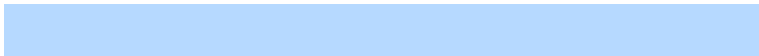
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.8230, 0.3147, 0.2898



66.8230, 0.3382, 0.3824



66.8230, 0.2650, 0.2824

Square

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



66.8230, 0.3382, 0.3824



66.8230, 0.2622, 0.3216



66.8230, 0.2858, 0.2803



66.8230, 0.3658, 0.3327

Rectangle

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



66.8230, 0.3382, 0.3824



66.8230, 0.2894, 0.3590



66.8230, 0.2858, 0.2803



66.8230, 0.3350, 0.3015

Sweetspot

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



66.8259, 0.3382, 0.3824



98.5524, 0.3199, 0.3438



50.4015, 0.3531, 0.3382



21.0616, 0.3207, 0.3454



0.0000, 0.0000, 0.0000



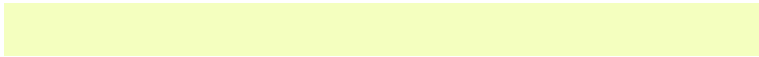
21.4041, 0.3127, 0.3290

Same Dimension

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



66.8259, 0.3382, 0.3824



94.5105, 0.3432, 0.3933



63.7323, 0.3211, 0.3854



15.1434, 0.3240, 0.3523



35.9026, 0.3891, 0.5293



2.3567, 0.3943, 0.5251

Inverse Universe

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



44.2818, 0.2837, 0.2717



57.1941, 0.2771, 0.2590



47.2273, 0.3022, 0.2748



12.7255, 0.3008, 0.3050



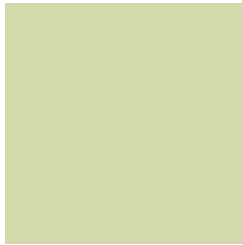
3.3109, 0.1581, 0.0644



0.2480, 0.1723, 0.0723

Previews

White Background



This preview shows how the Yxy color 66.8230, 0.3382, 0.3824 looks on a white background.

Color Contrast Check

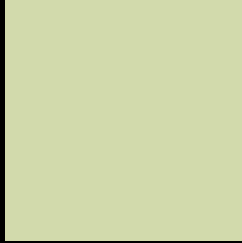
Large Text (above 18pt) WCAG AA × Fail

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 66.8230, 0.3382, 0.3824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

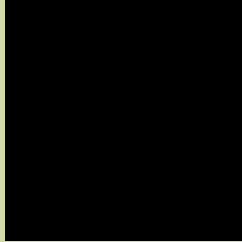
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

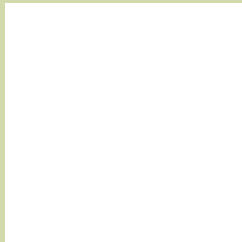
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.8230, 0.3382, 0.3824

Background



This preview shows how black text looks on a background with the Yxy color 66.8230, 0.3382, 0.3824.



This preview shows how white text looks on a background with the Yxy color 66.8230, 0.3382, 0.3824.

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

66.8230, 0.3382, 0.3824

Protanopia

66.8217, 0.3541, 0.3772

Deuteranopia

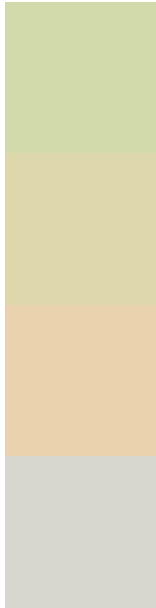
66.5319, 0.3686, 0.3610



Tritanopia

67.0400, 0.3070, 0.3115

Trichromacy



Original Color

66.8230, 0.3382, 0.3824

Protanomaly

66.9133, 0.3481, 0.3789

Deuteranomaly

66.6416, 0.3575, 0.3687

Tritanomaly

67.0452, 0.3182, 0.3369

Monochromacy



Original Color

66.8230, 0.3382, 0.3824

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.2757, 0.3222, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8230, 0.3382, 0.3824 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(210, 218, 172)` looks like.

```
.text, #text, p{  
    color:rgb(210, 218, 172)  
}
```

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(210, 218, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 218, 172) }
```

Border

The CSS property to change the border of an element to Yxy 66.8230, 0.3382, 0.3824 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(210, 218, 172) }
```

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

```
.border{ border-color:rgb(210, 218, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 218, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 218, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 218, 172);  
box-shadow:4px 4px 4px 4px rgb(210, 218,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8230, 0.3382, 0.3824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 218, 172) }
```

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

```
.background{ background-color: rgb(210,  
218, 172) }
```

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