

Converting Colors

$Y_{xy}(68.1850, 0.3452, 0.3812)$

Have a look what the booklet for
Yxy(68.1850, 0.3452, 0.3812)
contains.

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Color

Yxy(68.1814, 0.3452, 0.3812)

Conversions

Conversions Part 1

Format	Color
Hex	DBDAAC
RGB	219, 218, 172
RGB Percent	86%, 85%, 67%
CMY	0.1410, 0.1451, 0.3255
CMYK	0.00, 0.00, 0.21, 0.14
HSL	59°, 40%, 77%
HSV	59°, 21%, 86%
XYZ	61.7424, 68.1814, 48.9361
YIQ	213.0550, 15.3620, -14.0940

Conversions

Conversions Part 2

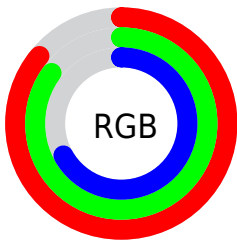
Format	Color
RYB	173, 219, 172
Decimal	14408364
CIELab	86.10, -7.04, 22.83
CIELCh	86, 23.893, 107.144
Yxy	68.1814, 0.3452, 0.3812
Android (android.graphics.Color)	4292598444 (0xFFDBDAAC)
YUV	213.0550, -20.2401, 5.2138
Hunter-Lab	82.5720, -11.0294, 22.6624

Details

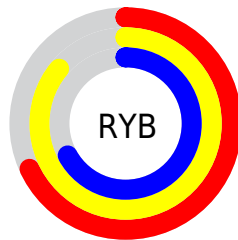
The Yxy color **68.1814, 0.3452, 0.3812** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.7992, 0.2768, 0.2709**, and the grayscale version is **66.7146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **35.4188, 0.3535, 0.3945** is the 20% darker color. If you saturate the color by 10%, you get **67.1553, 0.3605, 0.4057**, and if you desaturate by 10%, it is **69.3531, 0.3298, 0.3566**.

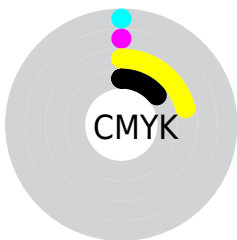
Distribution



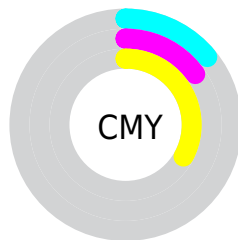
- Red (86%)
- Green (85%)
- Blue (67%)



- Red (68%)
- Yellow (86%)
- Blue (67%)



- Cyan (0%)
- Magenta (0%)
- Yellow (21%)
- Black (14%)





- Cyan (14%)
- Magenta (15%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.1814, 0.3452, 0.3812 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 68.1814, 0.3452, 0.3812 by changing the saturation by 10% instead.


 68.1814, 0.3452,
0.3812

 68.1814, 0.3452,
0.3812


454.1385, 0.3302,
0.3565

 50.0453, 0.3486,
0.3870


 116.6116, 0.3400,
0.3725

 35.4494, 0.3527,
0.3941

147.6745, 0.3380,
0.3692

 24.0093, 0.3578,
0.4033


183.8152, 0.3363,
0.3663

 15.3405, 0.3644,
0.4153

225.4180, 0.3348,
0.3638

 9.0587, 0.3731,
0.4319

272.8673, 0.3334,
0.3616

 4.7795, 0.3846,
0.4556

326.5476, 0.3323,

 2.1185, 0.4114,

0.3597

0.5063

386.8432, 0.3312,
0.3580

0.6750, 0.4103,
0.5897

0.0000, 0.0000,
0.0000

68.1814, 0.3452,
0.3812

68.1814, 0.3452,
0.3812

67.1553, 0.3605,
0.4057

69.3531, 0.3298,
0.3566

66.2589, 0.3753,
0.4290

70.6675, 0.3149,
0.3325

65.4877, 0.3888,
0.4504

72.1337, 0.3006,
0.3094

64.8339, 0.4006,
0.4688

73.4560, 0.2900,
0.2923

■ 64.2883, 0.4101,
0.4834

■ 73.7154, 0.2900,
0.2929

■ 63.8405, 0.4171,
0.4937

■ 73.9757, 0.2900,
0.2934

■ 63.4782, 0.4213,
0.4997

■ 74.2367, 0.2900,
0.2939

■ 63.2189, 0.4233,
0.5021

■ 74.4984, 0.2901,
0.2945

■ 74.7609, 0.2901,
0.2950

Harmonies

Analogous

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



68.1814, 0.3654, 0.3708



68.1814, 0.3452, 0.3812



68.1814, 0.3168, 0.3766

Triad

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



68.1814, 0.3452, 0.3812



68.1814, 0.2576, 0.3034



68.1814, 0.3362, 0.3030

Complementary

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



68.1814, 0.3452, 0.3812



43.7992, 0.2768, 0.2709

Split Complementary

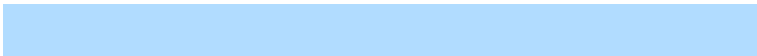
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.1814, 0.3064, 0.2867



68.1814, 0.3452, 0.3812



68.1814, 0.2620, 0.2859

Square

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



68.1814, 0.3452, 0.3812



68.1814, 0.2669, 0.3295



68.1814, 0.2795, 0.2804



68.1814, 0.3604, 0.3258

Rectangle

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



68.1814, 0.3452, 0.3812



68.1814, 0.2973, 0.3649



68.1814, 0.2795, 0.2804



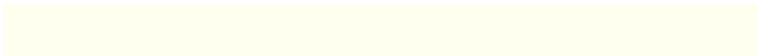
68.1814, 0.3265, 0.2967

Sweetspot

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



68.1844, 0.3452, 0.3812



98.8337, 0.3216, 0.3434



47.6131, 0.3545, 0.3273



21.1283, 0.3226, 0.3450



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.



68.1844, 0.3452, 0.3812



95.4915, 0.3525, 0.3929



65.5513, 0.3282, 0.3853



15.2109, 0.3267, 0.3516



37.4894, 0.4233, 0.5021



2.4451, 0.4226, 0.5027

Inverse Universe

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



43.7992, 0.2768, 0.2709



54.9115, 0.2677, 0.2560



46.0869, 0.2942, 0.2724



12.6639, 0.2981, 0.3054



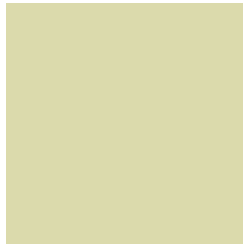
3.1175, 0.1504, 0.0615



0.2189, 0.1517, 0.0661

Previews

White Background



This preview shows how the Yxy color 68.1814, 0.3452, 0.3812 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 68.1814, 0.3452, 0.3812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

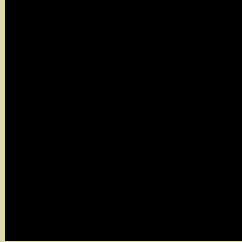
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

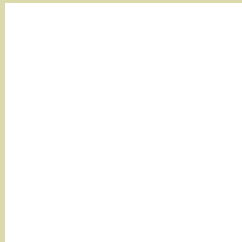
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.1814, 0.3452, 0.3812

Background



This preview shows how black text looks on a background with the Yxy color 68.1814, 0.3452, 0.3812.



This preview shows how white text looks on a background with the Yxy color 68.1814, 0.3452, 0.3812.

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

68.1814, 0.3452, 0.3812

Protanopia

68.1992, 0.3544, 0.3779

Deuteranopia

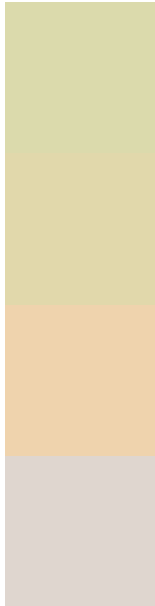
68.0056, 0.3712, 0.3639



Tritanopia

68.3033, 0.3128, 0.3118

Trichromacy



Original Color

68.1814, 0.3452, 0.3812

Protanomaly

68.0596, 0.3510, 0.3794

Deuteranomaly

67.9564, 0.3620, 0.3703

Tritanomaly

68.2861, 0.3242, 0.3368

Monochromacy



Original Color

68.1814, 0.3452, 0.3812

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.1252, 0.3244, 0.3483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1814, 0.3452, 0.3812 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(219, 218, 172)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 218, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 218, 172) }
```

Border

The CSS property to change the border of an element to Yxy 68.1814, 0.3452, 0.3812 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(219, 218, 172) }
```

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

```
.border{ border-color:rgb(219, 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(219, 218, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 218, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 218, 172);  
box-shadow:4px 4px 4px 4px rgb(219, 218,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1814, 0.3452, 0.3812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 218, 172) }
```

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

```
.background{ background-color: rgb(219,  
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](#).

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