

Converting Colors

$Yxy(68.2405, 0.3426, 0.3827)$

Have a look what the booklet for
Yxy(68.2405, 0.3426, 0.3827)
contains.

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Color

Yxy(68.2405, 0.3426, 0.3827)

Conversions

Conversions Part 1

Format	Color
Hex	D8DBAC
RGB	216, 219, 172
RGB Percent	85%, 86%, 67%
CMY	0.1531, 0.1411, 0.3255
CMYK	0.01, 0.00, 0.21, 0.14
HSL	64°, 40%, 77%
HSV	64°, 21%, 86%
XYZ	61.0901, 68.2405, 48.9827
YIQ	212.7450, 13.2990, -15.2530

Conversions

Conversions Part 2

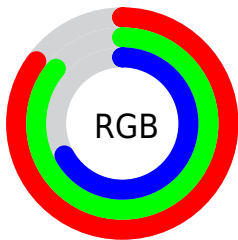
Format	Color
RYB	172, 219, 175
Decimal	14212012
CIELab	86.13, -8.70, 22.83
CIELCh	86, 24.435, 110.859
Yxy	68.2405, 0.3426, 0.3827
Android (android.graphics.Color)	4292402092 (0xFFD8DBAC)
YUV	212.7450, -20.0873, 2.8546
Hunter-Lab	82.6078, -12.5593, 22.6692

Details

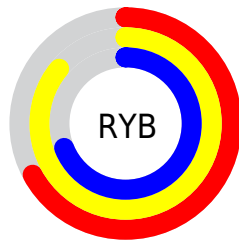
The Yxy color **68.2405, 0.3426, 0.3827** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.7414, 0.2791, 0.2699**, and the grayscale version is **66.4893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **35.4599, 0.3501, 0.3966** is the 20% darker color. If you saturate the color by 10%, you get **67.2550, 0.3565, 0.4082**, and if you desaturate by 10%, it is **69.3726, 0.3285, 0.3573**.

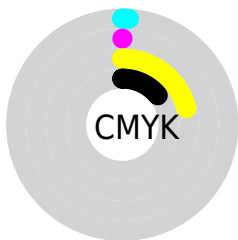
Distribution



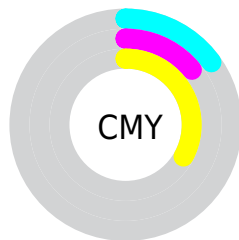
- Red (85%)
- Green (86%)
- Blue (67%)



- Red (67%)
- Yellow (86%)
- Blue (69%)



- Cyan (1%)
- Magenta (0%)
- Yellow (21%)
- Black (14%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2405, 0.3426, 0.3827 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 68.2405, 0.3426, 0.3827 by changing the saturation by 10% instead.

 68.2405, 0.3426,
0.3827

 68.2405, 0.3426,
0.3827

454.3476, 0.3289,
0.3572

 50.0934, 0.3457,
0.3887


 116.6961, 0.3379,
0.3737

 35.4876, 0.3494,
0.3961


147.7735, 0.3360,
0.3703

 24.0387, 0.3541,
0.4056


183.9297, 0.3345,
0.3673

 15.3624, 0.3600,
0.4182

225.5492, 0.3331,
0.3647

 9.0741, 0.3677,
0.4355

273.0163, 0.3318,
0.3625

 4.7895, 0.3778,
0.4606

326.7155, 0.3307,

 2.1243, 0.4020,

0.3605

0.5139

387.0311, 0.3298,
0.3588

0.6782, 0.3892,
0.6108

0.0000, 0.0000,
0.0000

68.2405, 0.3426,
0.3827

68.2405, 0.3426,
0.3827

67.2550, 0.3565,
0.4082

69.3726, 0.3285,
0.3573

66.4003, 0.3697,
0.4327

70.6485, 0.3147,
0.3325

65.6719, 0.3816,
0.4555

72.0773, 0.3014,
0.3090

65.0619, 0.3917,
0.4753

73.3640, 0.2917,
0.2915

■ 64.5611, 0.3995,
0.4915

■ 73.5884, 0.2926,
0.2916

■ 64.1593, 0.4047,
0.5033

■ 73.8148, 0.2935,
0.2917

■ 63.8440, 0.4073,
0.5107

■ 74.0431, 0.2945,
0.2918

■ 63.6253, 0.4079,
0.5143

■ 74.2732, 0.2954,
0.2919

■ 74.5053, 0.2964,
0.2920

Harmonies

Analogous

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



68.2405, 0.3647, 0.3737



68.2405, 0.3426, 0.3827



68.2405, 0.3131, 0.3759

Triad

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



68.2405, 0.3426, 0.3827



68.2405, 0.2562, 0.3000



68.2405, 0.3403, 0.3051

Complementary

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



68.2405, 0.3426, 0.3827



43.7414, 0.2791, 0.2699

Split Complementary

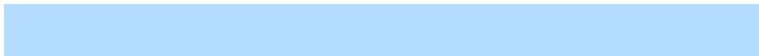
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.2405, 0.3100, 0.2874



68.2405, 0.3426, 0.3827



68.2405, 0.2625, 0.2836

Square

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



68.2405, 0.3426, 0.3827



68.2405, 0.2640, 0.3259



68.2405, 0.2817, 0.2795



68.2405, 0.3637, 0.3288

Rectangle

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



68.2405, 0.3426, 0.3827



68.2405, 0.2935, 0.3629



68.2405, 0.2817, 0.2795



68.2405, 0.3305, 0.2983

Sweetspot

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



68.2435, 0.3426, 0.3827



98.8660, 0.3210, 0.3438



48.4502, 0.3553, 0.3319



21.1360, 0.3219, 0.3454



0.0000, 0.0000, 0.0000



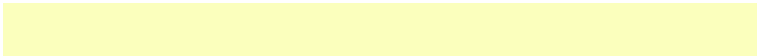
21.4041, 0.3127, 0.3290

Same Dimension

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



68.2435, 0.3426, 0.3827



95.6357, 0.3493, 0.3949



65.0076, 0.3253, 0.3858



15.2187, 0.3257, 0.3522



37.7398, 0.4081, 0.5142



2.4582, 0.4100, 0.5126

Inverse Universe

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



43.7414, 0.2791, 0.2699



54.8230, 0.2704, 0.2548



46.6085, 0.2975, 0.2730



12.6573, 0.2991, 0.3049



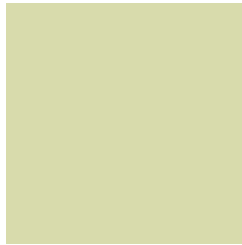
3.1054, 0.1521, 0.0612



0.2157, 0.1586, 0.0647

Previews

White Background



This preview shows how the Yxy color 68.2405, 0.3426, 0.3827 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 68.2405, 0.3426, 0.3827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

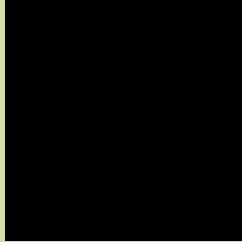
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

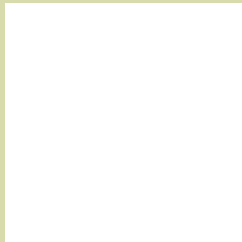
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.2405, 0.3426, 0.3827

Background



This preview shows how black text looks on a background with the Yxy color 68.2405, 0.3426, 0.3827.



This preview shows how white text looks on a background with the Yxy color 68.2405, 0.3426, 0.3827.

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

68.2405, 0.3426, 0.3827

Protanopia

68.1612, 0.3551, 0.3790

Deuteranopia

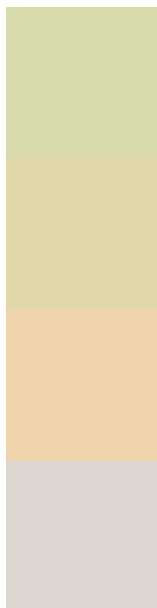
68.0056, 0.3712, 0.3639



Tritanopia

67.8779, 0.3099, 0.3106

Trichromacy



Original Color

68.2405, 0.3426, 0.3827

Protanomaly

67.8993, 0.3502, 0.3796

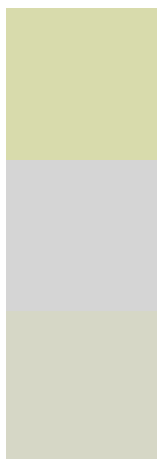
Deuteranomaly

67.7828, 0.3612, 0.3704

Tritanomaly

67.8628, 0.3213, 0.3357

Monochromacy



Original Color

68.2405, 0.3426, 0.3827

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

66.9742, 0.3236, 0.3483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2405, 0.3426, 0.3827 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(216, 219, 172)` looks like.

```
.text, #text, p{  
    color:rgb(216, 219, 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(216, 219, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 219, 172) }
```

Border

The CSS property to change the border of an element to Yxy 68.2405, 0.3426, 0.3827 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(216, 219, 172) }
```

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

```
.border{ border-color:rgb(216, 219, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 219, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 219, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 219, 172);  
box-shadow:4px 4px 4px 4px rgb(216, 219,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2405, 0.3426, 0.3827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 219, 172) }
```

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

```
.background{ background-color: rgb(216,  
219, 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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