

Converting Colors

Yxy(64.8392, 0.3412, 0.3803)

Have a look what the booklet for
Yxy(64.8392, 0.3412, 0.3803)
contains.

Yxy(64.8443, 0.3412, 0.3803)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.8443, 0.3412, 0.3803)

Conversions

Conversions Part 1

Format	Color
Hex	D3D6AA
RGB	211, 214, 170
RGB Percent	83%, 84%, 67%
CMY	0.1724, 0.1608, 0.3333
CMYK	0.01, 0.00, 0.21, 0.16
HSL	64°, 35%, 75%
HSV	64°, 21%, 84%
XYZ	58.1774, 64.8443, 47.4866
YIQ	208.0870, 12.3360, -14.3200

Conversions

Conversions Part 2

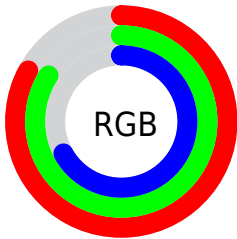
Format	Color
RYB	170, 214, 173
Decimal	13883050
CIELab	84.40, -8.24, 21.44
CIElCh	84, 22.969, 111.031
Yxy	64.8443, 0.3412, 0.3803
Android (android.graphics.Color)	4292073130 (0xFFD3D6AA)
YUV	208.0870, -18.7769, 2.5547
Hunter-Lab	80.5260, -11.9599, 21.4046

Details

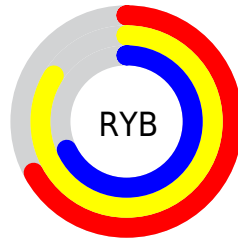
The Yxy color $64.8443, 0.3412, 0.3803$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $42.4888, 0.2808, 0.2728$, and the grayscale version is $63.2603, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.2162, 0.3304, 0.3582$, and $33.1722, 0.3475, 0.3924$ is the 20% darker color. If you saturate the color by 10%, you get $63.8914, 0.3551, 0.4058$, and if you desaturate by 10%, it is $65.9366, 0.3272, 0.3549$.

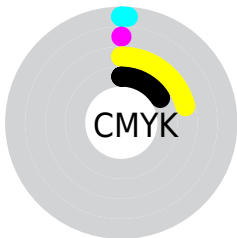
Distribution



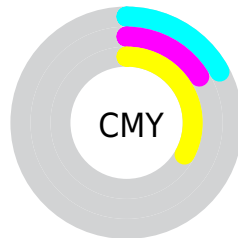
- Red (83%)
- Green (84%)
- Blue (67%)



- Red (67%)
- Yellow (84%)
- Blue (68%)



- Cyan (1%)
- Magenta (0%)
- Yellow (21%)
- Black (16%)



- Cyan (17%)
- Magenta (16%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8443, 0.3412, 0.3803 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 64.8443, 0.3412, 0.3803 by changing the saturation by 10% instead.

■ 64.8443, 0.3412,
0.3803

■ 64.8443, 0.3412,
0.3803

442.2322, 0.3280,
0.3557

■ 47.3348, 0.3442,
0.3861

■ 111.8260, 0.3366,
0.3716

■ 33.3004, 0.3479,
0.3934

142.0670, 0.3349,
0.3683

■ 22.3567, 0.3525,
0.4028

177.3206, 0.3333,
0.3654

■ 14.1192, 0.3583,
0.4152

217.9713, 0.3320,
0.3630

■ 8.2036, 0.3661,
0.4326

264.4034, 0.3308,
0.3608

■ 4.2255, 0.3765,
0.4581

317.0013, 0.3298,

■ 1.8005, 0.4087,

0.3589

0.5225

376.1495, 0.3288,
0.3572

0.4875, 0.3497,
0.6503

0.0000, 0.0000,
0.0000

64.8443, 0.3412,
0.3803

64.8443, 0.3412,
0.3803

63.8914, 0.3551,
0.4058

65.9366, 0.3272,
0.3549

63.0630, 0.3683,
0.4305

67.1657, 0.3135,
0.3303

62.3551, 0.3803,
0.4534

68.5401, 0.3003,
0.3070

61.7600, 0.3906,
0.4736

70.0255, 0.2883,
0.2857

61.2693, 0.3985,
0.4902

70.2455, 0.2892,
0.2859

60.8735, 0.4040,
0.5025

70.4675, 0.2902,
0.2860

60.5609, 0.4068,
0.5104

70.6913, 0.2911,
0.2861

60.3229, 0.4076,
0.5146

70.9171, 0.2921,
0.2862

71.1448, 0.2931,
0.2863

Harmonies

Analogous

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



64.8443, 0.3624, 0.3719



64.8443, 0.3412, 0.3803



64.8443, 0.3130, 0.3737

Triad

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



64.8443, 0.3412, 0.3803



64.8443, 0.2585, 0.3012



64.8443, 0.3393, 0.3062

Complementary

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



64.8443, 0.3412, 0.3803



42.4888, 0.2808, 0.2728

Split Complementary

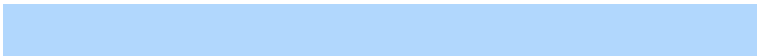
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.8443, 0.3103, 0.2892



64.8443, 0.3412, 0.3803



64.8443, 0.2647, 0.2855

Square

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



64.8443, 0.3412, 0.3803



64.8443, 0.2660, 0.3259



64.8443, 0.2832, 0.2816



64.8443, 0.3615, 0.3290

Rectangle

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



64.8443, 0.3412, 0.3803



64.8443, 0.2942, 0.3612



64.8443, 0.2832, 0.2816



64.8443, 0.3299, 0.2997

Sweetspot

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



64.8472, 0.3412, 0.3803



98.8598, 0.3210, 0.3438



47.0642, 0.3529, 0.3327



21.1345, 0.3219, 0.3454



0.0000, 0.0000, 0.0000



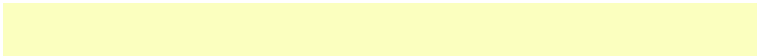
21.4041, 0.3127, 0.3290

Same Dimension

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



64.8472, 0.3412, 0.3803



95.7527, 0.3478, 0.3923



61.8190, 0.3242, 0.3832



14.4757, 0.3256, 0.3521



36.4832, 0.4077, 0.5144



2.2135, 0.4099, 0.5128

Inverse Universe

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



42.4888, 0.2808, 0.2728



56.2615, 0.2724, 0.2581



45.2029, 0.2989, 0.2757



12.0480, 0.2992, 0.3050



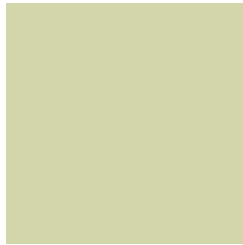
3.0087, 0.1523, 0.0612



0.1957, 0.1593, 0.0651

Previews

White Background



This preview shows how the Yxy color 64.8443, 0.3412, 0.3803 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 64.8443, 0.3412, 0.3803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

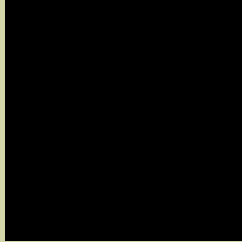
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

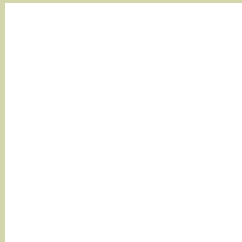
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.8443, 0.3412, 0.3803

Background



This preview shows how black text looks on a background with the Yxy color 64.8443, 0.3412, 0.3803.



This preview shows how white text looks on a background with the Yxy color 64.8443, 0.3412, 0.3803.

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

64.8443, 0.3412, 0.3803

Protanopia

64.7676, 0.3539, 0.3766

Deuteranopia

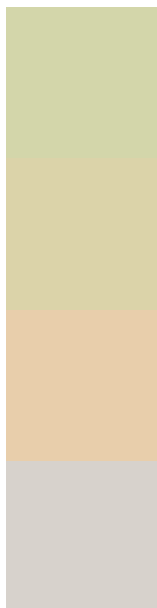
64.4527, 0.3694, 0.3614



Tritanopia

64.8588, 0.3098, 0.3113

Trichromacy



Original Color

64.8443, 0.3412, 0.3803

Protanomaly

64.5132, 0.3489, 0.3772

Deuteranomaly

64.2387, 0.3592, 0.3680

Tritanomaly

64.8999, 0.3207, 0.3358

Monochromacy



Original Color

64.8443, 0.3412, 0.3803

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.5435, 0.3232, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8443, 0.3412, 0.3803 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(211, 214, 170)` looks like.

```
.text, #text, p{  
    color:rgb(211, 214, 170)  
}
```

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(211, 214, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 214, 170) }
```

Border

The CSS property to change the border of an element to Yxy 64.8443, 0.3412, 0.3803 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(211, 214, 170) }
```

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

```
.border{ border-color:rgb(211, 214, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 214, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 214, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 214, 170);  
box-shadow:4px 4px 4px 4px rgb(211, 214,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8443, 0.3412, 0.3803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 214, 170) }
```

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

```
.background{ background-color: rgb(211,  
214, 170) }
```

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