

Converting Colors

$Yxy(67.5214, 0.3175, 0.3810)$

Have a look what the booklet for
Yxy(67.5214, 0.3175, 0.3810)
contains.

Yxy(67.6830, 0.3179, 0.3817)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.6830, 0.3179, 0.3817)

Conversions

Conversions Part 1

Format	Color
Hex	BFE0B4
RGB	191, 224, 180
RGB Percent	75%, 88%, 71%
CMY	0.2512, 0.1215, 0.2942
CMYK	0.15, 0.00, 0.20, 0.12
HSL	105°, 42%, 79%
HSV	105°, 20%, 88%
XYZ	56.3700, 67.6830, 53.2669
YIQ	209.1170, -5.5440, -20.6800

Conversions

Conversions Part 2

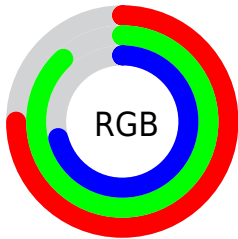
Format	Color
RYB	180, 224, 213
Decimal	12574900
CIELab	85.85, -18.91, 18.01
CIELCh	86, 26.114, 136.399
Yxy	67.6830, 0.3179, 0.3817
Android (android.graphics.Color)	4290764980 (0xFFBFE0B4)
YUV	209.1170, -14.3547, -15.8886
Hunter-Lab	82.2697, -21.6663, 19.2005

Details

The Yxy color **67.6830, 0.3179, 0.3817** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.1755, 0.3061, 0.2790**, and the grayscale version is **63.9350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5326, 0.3194, 0.3476**, and **35.2266, 0.3186, 0.3960** is the 20% darker color. If you saturate the color by 10%, you get **64.7888, 0.3201, 0.4124**, and if you desaturate by 10%, it is **70.9811, 0.3154, 0.3535**.

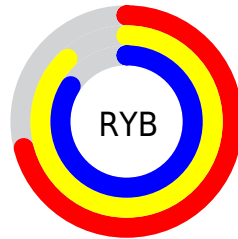
Distribution



Red (75%)

Green (88%)

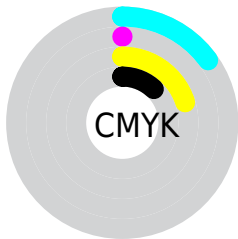
Blue (71%)



Red (71%)

Yellow (88%)

Blue (84%)

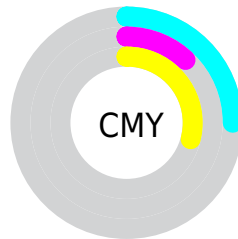


Cyan (15%)

Magenta (0%)

Yellow (20%)

Black (12%)



Cyan (25%)

Magenta (12%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6830, 0.3179, 0.3817 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 67.6830, 0.3179, 0.3817 by changing the saturation by 10% instead.

■ 67.6830, 0.3179,
0.3817

■ 67.6830, 0.3179,
0.3817

452.3721, 0.3159,
0.3562

■ 49.6399, 0.3183,
0.3878

■ 115.8985, 0.3173,
0.3726

■ 35.1273, 0.3186,
0.3955

146.8397, 0.3170,
0.3692

■ 23.7610, 0.3190,
0.4054

182.8491, 0.3168,
0.3662

■ 15.1564, 0.3193,
0.4189

224.3110, 0.3166,
0.3637

■ 8.9292, 0.3193,
0.4379

271.6099, 0.3164,
0.3615

■ 4.6951, 0.3183,
0.4669

325.1301, 0.3162,

■ 2.0695, 0.3167,

0.3595

385.2560, 0.3160,
0.3578

0.5198

0.6474, 0.1918,
0.8082

0.0000, 0.0000,
0.0000

67.6830, 0.3179,
0.3817

67.6830, 0.3179,
0.3817

64.7888, 0.3201,
0.4124

70.9811, 0.3154,
0.3535

62.2742, 0.3217,
0.4451

74.6890, 0.3126,
0.3282

60.1256, 0.3225,
0.4784

78.8235, 0.3098,
0.3057

58.3252, 0.3221,
0.5108

81.8006, 0.3141,
0.2990

■ 56.8535, 0.3206,
0.5401

■ 55.6890, 0.3178,
0.5643

■ 54.8072, 0.3139,
0.5817

■ 54.1737, 0.3095,
0.5922

■ 54.1552, 0.3094,
0.5925

Harmonies

Analogous

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



67.6830, 0.3489, 0.3862



67.6830, 0.3179, 0.3817



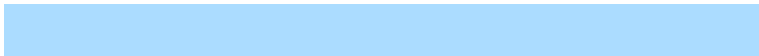
67.6830, 0.2866, 0.3606

Triad

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



67.6830, 0.3179, 0.3817



67.6830, 0.2571, 0.2822



67.6830, 0.3645, 0.3247

Complementary

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



67.6830, 0.3179, 0.3817



52.1755, 0.3061, 0.2790

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.



67.6830, 0.3376, 0.3001



67.6830, 0.3179, 0.3817



67.6830, 0.2757, 0.2760

Square

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



67.6830, 0.3179, 0.3817



67.6830, 0.2526, 0.3014



67.6830, 0.3049, 0.2826



67.6830, 0.3768, 0.3514

Rectangle

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



67.6830, 0.3179, 0.3817



67.6830, 0.2697, 0.3407



67.6830, 0.3049, 0.2826



67.6830, 0.3568, 0.3160

Sweetspot

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



67.6859, 0.3179, 0.3817



96.9390, 0.3144, 0.3440



66.7388, 0.3444, 0.3662



20.6803, 0.3146, 0.3457



0.0000, 0.0000, 0.0000



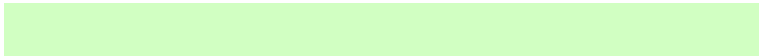
21.4041, 0.3127, 0.3290

Same Dimension

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



67.6859, 0.3179, 0.3817



88.9672, 0.3189, 0.3953



66.7842, 0.3033, 0.3691



15.5013, 0.3153, 0.3530



31.5624, 0.3103, 0.5918



2.2295, 0.3212, 0.5832

Inverse Universe

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



52.1755, 0.3061, 0.2790



64.1979, 0.3042, 0.2669



53.2933, 0.3237, 0.2920



13.7548, 0.3098, 0.3056



8.0490, 0.2588, 0.1199



0.5992, 0.2688, 0.1254

Previews

White Background



This preview shows how the Yxy color 67.6830, 0.3179, 0.3817 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 67.6830, 0.3179, 0.3817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

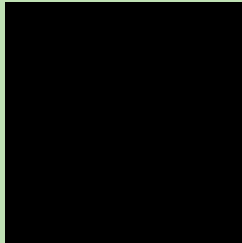
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

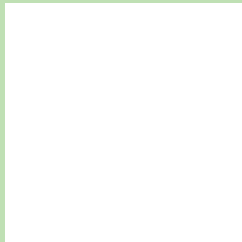
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.6830, 0.3179, 0.3817

Background



This preview shows how black text looks on a background with the Yxy color 67.6830, 0.3179, 0.3817.



This preview shows how white text looks on a background with the Yxy color 67.6830, 0.3179, 0.3817.

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

67.6830, 0.3179, 0.3817

Protanopia

67.5192, 0.3502, 0.3726

Deuteranopia

67.1961, 0.3606, 0.3525



Tritanopia

67.8456, 0.2900, 0.3099

Trichromacy



Original Color

67.6830, 0.3179, 0.3817

Protanomaly

67.6133, 0.3378, 0.3761

Deuteranomaly

67.1761, 0.3438, 0.3625

Tritanomaly

67.9118, 0.3005, 0.3359

Monochromacy



Original Color

67.6830, 0.3179, 0.3817

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.7269, 0.3148, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6830, 0.3179, 0.3817 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(191, 224, 180)` looks like.

```
.text, #text, p{  
    color:rgb(191, 224, 180)  
}
```

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(191, 224, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 224, 180) }
```

Border

The CSS property to change the border of an element to Yxy 67.6830, 0.3179, 0.3817 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(191, 224, 180) }
```

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

```
.border{ border-color:rgb(191, 224, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 224, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 224, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 224, 180); box-shadow:4px 4px 4px 4px rgb(191, 224, 180) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6830, 0.3179, 0.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 224, 180) }
```

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

```
.background{ background-color: rgb(191,  
224, 180) }
```

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