

Converting Colors

$Yxy(67.8077, 0.3064, 0.3762)$

Have a look what the booklet for
Yxy(67.8077, 0.3064, 0.3762)
contains.

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Color

Yxy(67.8043, 0.3064, 0.3762)

Conversions

Conversions Part 1

Format	Color
Hex	B5E2BB
RGB	181, 226, 187
RGB Percent	71%, 89%, 73%
CMY	0.2902, 0.1137, 0.2665
CMYK	0.20, 0.00, 0.17, 0.11
HSL	128°, 44%, 80%
HSV	128°, 20%, 89%
XYZ	55.2239, 67.8043, 57.2065
YIQ	208.0990, -14.3010, -21.6690

Conversions

Conversions Part 2

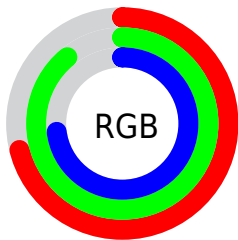
Format	Color
RYB	181, 221, 226
Decimal	11920059
CIELab	85.91, -22.04, 14.32
CIElCh	86, 26.284, 146.985
Yxy	67.8043, 0.3064, 0.3762
Android (android.graphics.Color)	4290110139 (0xFFB5E2BB)
YUV	208.0990, -10.4018, -23.7658
Hunter-Lab	82.3434, -24.3891, 16.4497

Details

The Yxy color **67.8043, 0.3064, 0.3762** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.3821, 0.3197, 0.2860**, and the grayscale version is **63.2222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9956, 0.3085, 0.3409**, and **35.3591, 0.3038, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **64.5110, 0.3032, 0.4042**, and if you desaturate by 10%, it is **71.6607, 0.3096, 0.3510**.

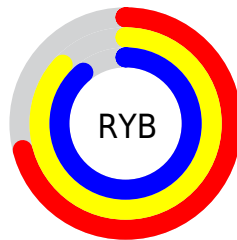
Distribution



Red (71%)

Green (89%)

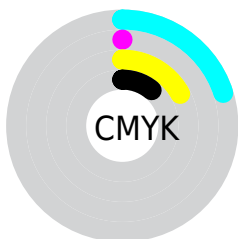
Blue (73%)



Red (71%)

Yellow (87%)

Blue (89%)

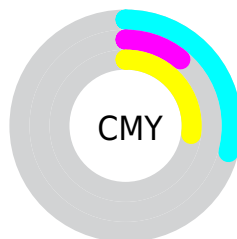


Cyan (20%)

Magenta (0%)

Yellow (17%)

Black (11%)



Cyan (29%)


Magenta (11%)


Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8043, 0.3064, 0.3762 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 67.8043, 0.3064, 0.3762 by changing the saturation by 10% instead.


 67.8043, 0.3064,
0.3762

 67.8043, 0.3064,
0.3762


452.8023, 0.3097,
0.3534

 49.7385, 0.3055,
0.3817

 116.0721, 0.3076,
0.3681

 35.2057, 0.3044,
0.3886


147.0430, 0.3081,
0.3650

 23.8214, 0.3029,
0.3976


183.0844, 0.3085,
0.3623

 15.2012, 0.3007,
0.4097

224.5806, 0.3088,
0.3600

 8.9607, 0.2974,
0.4270

271.9161, 0.3091,
0.3580

 4.7155, 0.2918,
0.4536

325.4753, 0.3093,

 2.0814, 0.2810,

0.3563


0.4992


385.6426, 0.3095,
0.3547

 0.6541, 0.1134,
0.8866

 0.0000, 0.0000,
0.0000


 67.8043, 0.3064,
0.3762


 67.8043, 0.3064,
0.3762


 64.5110, 0.3032,
0.4042

 71.6607, 0.3096,
0.3510

 61.7463, 0.3003,
0.4347

 76.0959, 0.3127,
0.3288

 59.4851, 0.2978,
0.4667

 81.1354, 0.3157,
0.3094

 57.6968, 0.2959,
0.4989

 82.8745, 0.3140,
0.3009

■ 56.3475, 0.2949,
0.5293

■ 55.3986, 0.2949,
0.5559

■ 54.8048, 0.2959,
0.5766

■ 54.4918, 0.2974,
0.5906

■ 54.4897, 0.2974,
0.5907

Harmonies

Analogous

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



67.8043, 0.3387, 0.3870



67.8043, 0.3064, 0.3762



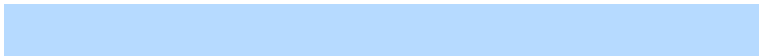
67.8043, 0.2769, 0.3505

Triad

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



67.8043, 0.3064, 0.3762



67.8043, 0.2619, 0.2782



67.8043, 0.3712, 0.3342

Complementary

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



67.8043, 0.3064, 0.3762



54.3821, 0.3197, 0.2860

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.



67.8043, 0.3485, 0.3081



67.8043, 0.3064, 0.3762



67.8043, 0.2849, 0.2766

Square

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



67.8043, 0.3064, 0.3762



67.8043, 0.2522, 0.2930



67.8043, 0.3165, 0.2875



67.8043, 0.3771, 0.3604

Rectangle

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



67.8043, 0.3064, 0.3762



67.8043, 0.2625, 0.3296



67.8043, 0.3165, 0.2875



67.8043, 0.3652, 0.3252

Sweetspot

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



67.8072, 0.3064, 0.3762



96.3886, 0.3108, 0.3421



72.9467, 0.3382, 0.3792



20.5507, 0.3106, 0.3436



0.0000, 0.0000, 0.0000



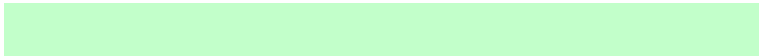
21.4041, 0.3127, 0.3290

Same Dimension

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



67.8072, 0.3064, 0.3762



87.2273, 0.3050, 0.3878



68.8464, 0.2927, 0.3485



15.3670, 0.3098, 0.3499



31.0953, 0.2970, 0.5891



2.1651, 0.2907, 0.5665

Inverse Universe

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



54.3821, 0.3197, 0.2860



66.4575, 0.3215, 0.2766



53.2705, 0.3381, 0.3104



13.9024, 0.3158, 0.3089



11.5034, 0.3578, 0.1745



0.8062, 0.3513, 0.1709

Previews

White Background



This preview shows how the Yxy color 67.8043, 0.3064, 0.3762 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 67.8043, 0.3064, 0.3762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

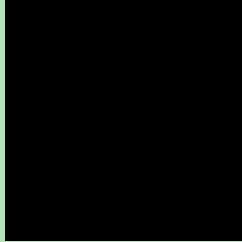
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

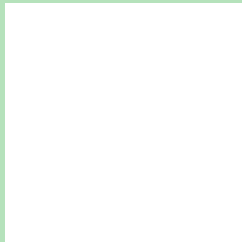
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8043, 0.3064, 0.3762

Background



This preview shows how black text looks on a background with the Yxy color 67.8043, 0.3064, 0.3762.

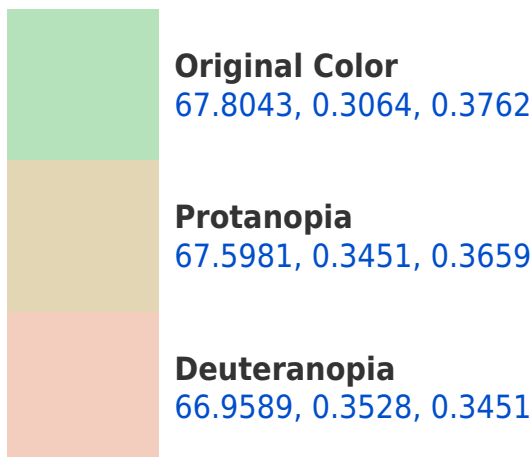


This preview shows how white text looks on a background with the Yxy color 67.8043, 0.3064, 0.3762.

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





Tritanopia

67.7246, 0.2818, 0.3085

Trichromacy



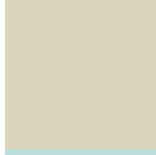
Original Color

67.8043, 0.3064, 0.3762



Protanomaly

67.2633, 0.3306, 0.3694



Deuteranomaly

66.5218, 0.3341, 0.3550



Tritanomaly

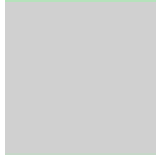
67.9218, 0.2907, 0.3324

Monochromacy



Original Color

67.8043, 0.3064, 0.3762



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

64.7768, 0.3104, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8043, 0.3064, 0.3762 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(181, 226, 187)` looks like.

```
.text, #text, p{  
    color:rgb(181, 226, 187)  
}
```

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(181, 226, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 226, 187) }
```

Border

The CSS property to change the border of an element to Yxy 67.8043, 0.3064, 0.3762 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(181, 226, 187) }
```

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

```
.border{ border-color:rgb(181, 226, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 226, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 226, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 226, 187); box-shadow:4px 4px 4px 4px rgb(181, 226, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8043, 0.3064, 0.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 226, 187) }
```

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

```
.background{ background-color: rgb(181,  
226, 187) }
```

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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