

Converting Colors

$Yxy(63.7939, 0.3063, 0.3762)$

Have a look what the booklet for
Yxy(63.7939, 0.3063, 0.3762)
contains.

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Color

Yxy(63.7939, 0.3063, 0.3762)

Conversions

Conversions Part 1

Format	Color
Hex	B0DCB6
RGB	176, 220, 182
RGB Percent	69%, 86%, 71%
CMY	0.3098, 0.1372, 0.2862
CMYK	0.20, 0.00, 0.17, 0.14
HSL	128°, 39%, 78%
HSV	128°, 20%, 86%
XYZ	51.9406, 63.7939, 53.8399
YIQ	202.5120, -14.0260, -21.1460

Conversions

Conversions Part 2

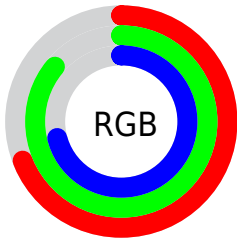
Format	Color
R _{YB}	176, 215, 220
Decimal	11590838
CIE _{Lab}	83.86, -21.64, 14.02
CIE _{LCh}	84, 25.783, 147.070
Yxy	63.7939, 0.3063, 0.3762
Android (android.graphics.Color)	4289780918 (0xFFB0DCB6)
YUV	202.5120, -10.1124, -23.2510
Hunter-Lab	79.8711, -23.6948, 15.9433

Details

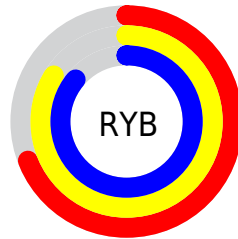
The Yxy color **63.7939, 0.3063, 0.3762** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.1176, 0.3199, 0.2860**, and the grayscale version is **59.4712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8489, 0.3082, 0.3461**, and **32.7062, 0.3045, 0.3892** is the 20% darker color. If you saturate the color by 10%, you get **60.7039, 0.3031, 0.4041**, and if you desaturate by 10%, it is **67.4114, 0.3095, 0.3511**.

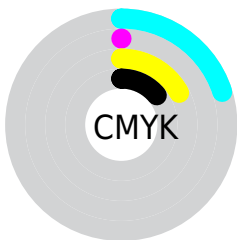
Distribution



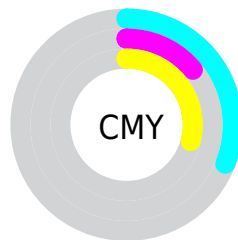
- Red (69%)
- Green (86%)
- Blue (71%)



- Red (69%)
- Yellow (84%)
- Blue (86%)



- Cyan (20%)
- Magenta (0%)
- Yellow (17%)
- Black (14%)





- Cyan (31%)
- Magenta (14%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.7939, 0.3063, 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 63.7939, 0.3063, 0.3762 by changing the saturation by 10% instead.

 63.7939, 0.3063,
0.3762

 63.7939, 0.3063,
0.3762


438.4450, 0.3097,
0.3531

 46.4838, 0.3054,
0.3818

 110.3141, 0.3076,
0.3679

 32.6277, 0.3042,
0.3889


140.2929, 0.3080,
0.3648

 21.8414, 0.3026,
0.3982


175.2634, 0.3084,
0.3621

 13.7404, 0.3003,
0.4109

215.6100, 0.3088,
0.3598

 7.9404, 0.2967,
0.4293

261.7170, 0.3090,
0.3578

 4.0568, 0.2906,
0.4579

313.9690, 0.3093,

 1.7054, 0.2803,

0.3561

372.7502, 0.3095,
0.3545

0.5123

0.4271, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.7939, 0.3063,
0.3762

63.7939, 0.3063,
0.3762

60.7039, 0.3031,
0.4041

67.4114, 0.3095,
0.3511

58.1090, 0.3001,
0.4344

71.5709, 0.3127,
0.3290

55.9857, 0.2976,
0.4663

76.2964, 0.3157,
0.3097

54.3055, 0.2957,
0.4984

79.6695, 0.3143,
0.2950

■ 53.0366, 0.2947,
0.5287

■ 52.1431, 0.2947,
0.5552

■ 51.5825, 0.2957,
0.5761

■ 51.2838, 0.2973,
0.5902

Harmonies

Analogous

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



63.7939, 0.3386, 0.3871



63.7939, 0.3063, 0.3762



63.7939, 0.2768, 0.3504

Triad

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



63.7939, 0.3063, 0.3762



63.7939, 0.2619, 0.2781



63.7939, 0.3713, 0.3342

Complementary

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



63.7939, 0.3063, 0.3762



51.1176, 0.3199, 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.



63.7939, 0.3486, 0.3081



63.7939, 0.3063, 0.3762



63.7939, 0.2850, 0.2766

Square

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



63.7939, 0.3063, 0.3762



63.7939, 0.2521, 0.2929



63.7939, 0.3166, 0.2875



63.7939, 0.3772, 0.3605

Rectangle

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



63.7939, 0.3063, 0.3762



63.7939, 0.2624, 0.3295



63.7939, 0.3166, 0.2875



63.7939, 0.3653, 0.3252

Sweetspot

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



63.7966, 0.3063, 0.3762



96.3913, 0.3108, 0.3420



68.6405, 0.3383, 0.3794



20.5513, 0.3106, 0.3435



0.0000, 0.0000, 0.0000



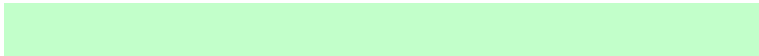
21.4041, 0.3127, 0.3290

Same Dimension

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



63.7966, 0.3063, 0.3762



87.2356, 0.3049, 0.3876



64.7718, 0.2926, 0.3486



14.6351, 0.3097, 0.3498



30.1056, 0.2968, 0.5886



1.9600, 0.2901, 0.5643

Inverse Universe

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



51.1176, 0.3199, 0.2860



66.4467, 0.3216, 0.2767



50.0751, 0.3381, 0.3103



13.2426, 0.3159, 0.3091



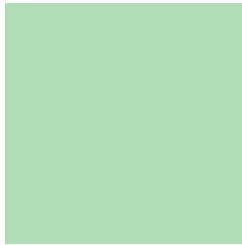
11.1210, 0.3586, 0.1749



0.7291, 0.3516, 0.1710

Previews

White Background



This preview shows how the Yxy color 63.7939, 0.3063, 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 63.7939, 0.3063, 0.3762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

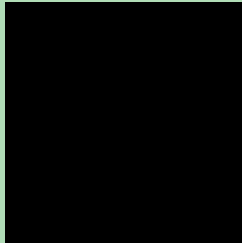
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

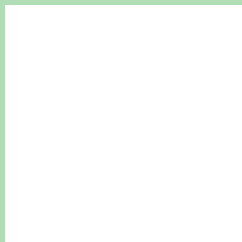
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.7939, 0.3063, 0.3762

Background



This preview shows how black text looks on a background with the Yxy color 63.7939, 0.3063, 0.3762.

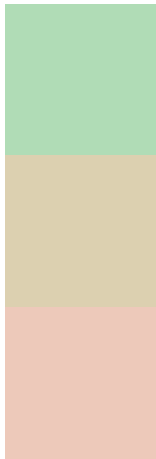


This preview shows how white text looks on a background with the Yxy color 63.7939, 0.3063, 0.3762.

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



Original Color

63.7939, 0.3063, 0.3762

Protanopia

63.4620, 0.3452, 0.3657

Deuteranopia

63.3230, 0.3529, 0.3455



Tritanopia

63.4920, 0.2816, 0.3091

Trichromacy



Original Color

63.7939, 0.3063, 0.3762

Protanomaly

63.1387, 0.3304, 0.3693

Deuteranomaly

63.0616, 0.3346, 0.3556

Tritanomaly

63.7396, 0.2902, 0.3325

Monochromacy



Original Color

63.7939, 0.3063, 0.3762

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.8785, 0.3104, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7939, 0.3063, 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(176, 220, 182)` looks like.

```
.text, #text, p{  
    color:rgb(176, 220, 182)  
}
```

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(176, 220, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 220, 182) }
```

Border

The CSS property to change the border of an element to Yxy 63.7939, 0.3063, 0.3762 is called "border". The border property can be set on classes, ids or directly on the HTML element.

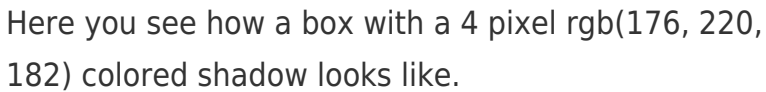
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 220, 182) }
```

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

```
.border{ border-color:rgb(176, 220, 182) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 220, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 220, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 220, 182); box-shadow:4px 4px 4px 4px rgb(176, 220, 182) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7939, 0.3063, 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(176, 220, 182) }
```

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

```
.background{ background-color: rgb(176,  
220, 182) }
```

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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