

Converting Colors

$Yxy(63.6303, 0.3019, 0.3673)$

Have a look what the booklet for
Yxy(63.6303, 0.3019, 0.3673)
contains.

Yxy(63.4078, 0.3018, 0.3674)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(63.4078, 0.3018, 0.3674)

Conversions

Conversions Part 1

Format	Color
Hex	AFDBBC
RGB	175, 219, 188
RGB Percent	69%, 86%, 74%
CMY	0.3138, 0.1411, 0.2626
CMYK	0.20, 0.00, 0.14, 0.14
HSL	138°, 38%, 77%
HSV	138°, 20%, 86%
XYZ	52.0862, 63.4078, 57.0912
YIQ	202.3100, -16.2730, -18.9690

Conversions

Conversions Part 2

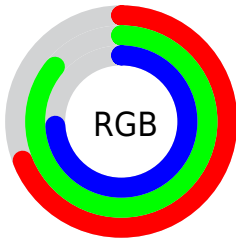
Format	Color
R _{YB}	175, 209, 219
Decimal	11525052
CIE Lab	83.66, -20.39, 10.55
CIE LCh	84, 22.955, 152.649
Yxy	63.4078, 0.3018, 0.3674
Android (android.graphics.Color)	4289715132 (0xFFAFDBBC)
YUV	202.3100, -7.0548, -23.9509
Hunter-Lab	79.6290, -22.5920, 13.2315

Details

The Yxy color **63.4078, 0.3018, 0.3674** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.1642, 0.3257, 0.2935**, and the grayscale version is **59.3186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0406, 0.3042, 0.3400**, and **32.4378, 0.2987, 0.3774** is the 20% darker color. If you saturate the color by 10%, you get **60.4495, 0.2967, 0.3899**, and if you desaturate by 10%, it is **66.8533, 0.3072, 0.3472**.

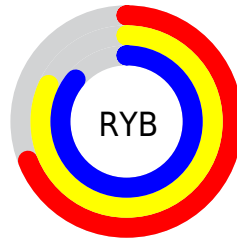
Distribution



Red (69%)

Green (86%)

Blue (74%)



Red (69%)

Yellow (82%)

Blue (86%)

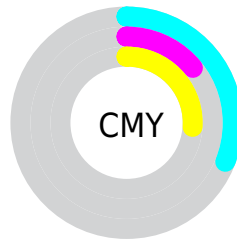


Cyan (20%)

Magenta (0%)

Yellow (14%)

Black (14%)



Cyan (31%)

Magenta (14%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.4078, 0.3018, 0.3674 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 63.4078, 0.3018, 0.3674 by changing the saturation by 10% instead.


 63.4078, 0.3018,
0.3674

 63.4078, 0.3018,
0.3674

437.0480, 0.3072,
0.3487

 46.1712, 0.3005,
0.3719


 109.7576, 0.3038,
0.3607

 32.3809, 0.2987,
0.3777


139.6396, 0.3045,
0.3582

 21.6526, 0.2965,
0.3852


174.5056, 0.3051,
0.3560

 13.6019, 0.2933,
0.3954

214.7398, 0.3057,
0.3541

 7.8443, 0.2887,
0.4102

260.7268, 0.3061,
0.3525

 3.9955, 0.2813,
0.4333

312.8509, 0.3065,

 1.6710, 0.2677,

0.3511

0.4743

371.4965, 0.3069,
0.3498

0.4048, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.4078, 0.3018,
0.3674

63.4078, 0.3018,
0.3674

60.4495, 0.2967,
0.3899

66.8533, 0.3072,
0.3472

57.9484, 0.2920,
0.4145

70.7985, 0.3127,
0.3292

55.8834, 0.2882,
0.4407

75.2656, 0.3180,
0.3134

54.2286, 0.2855,
0.4678

78.8073, 0.3179,
0.2990

■ 52.9552, 0.2842,
0.4947

■ 79.1471, 0.3144,
0.2940

■ 52.0307, 0.2845,
0.5203

■ 51.4164, 0.2864,
0.5432

■ 51.0485, 0.2895,
0.5622

Harmonies

Analogous

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



63.4078, 0.3308, 0.3800



63.4078, 0.3018, 0.3674



63.4078, 0.2765, 0.3430

Triad

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



63.4078, 0.3018, 0.3674



63.4078, 0.2703, 0.2822



63.4078, 0.3671, 0.3385

Complementary

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



63.4078, 0.3018, 0.3674



50.1642, 0.3257, 0.2935

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.



63.4078, 0.3494, 0.3145



63.4078, 0.3018, 0.3674



63.4078, 0.2929, 0.2829

Square

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



63.4078, 0.3018, 0.3674



63.4078, 0.2590, 0.2936



63.4078, 0.3218, 0.2946



63.4078, 0.3693, 0.3613

Rectangle

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



63.4078, 0.3018, 0.3674



63.4078, 0.2649, 0.3244



63.4078, 0.3218, 0.2946



63.4078, 0.3627, 0.3303

Sweetspot

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



63.4105, 0.3018, 0.3674



96.5390, 0.3094, 0.3396



66.9592, 0.3333, 0.3804



20.5861, 0.3091, 0.3408



0.0000, 0.0000, 0.0000



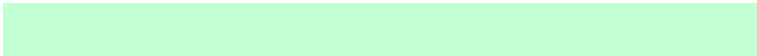
21.4041, 0.3127, 0.3290

Same Dimension

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



63.4105, 0.3018, 0.3674



87.7142, 0.2996, 0.3764



64.4046, 0.2885, 0.3405



14.6695, 0.3076, 0.3459



30.2838, 0.2888, 0.5596



1.9769, 0.2796, 0.5265

Inverse Universe

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



50.1642, 0.3257, 0.2935



65.8598, 0.3289, 0.2859



49.1931, 0.3441, 0.3179



13.2056, 0.3183, 0.3127



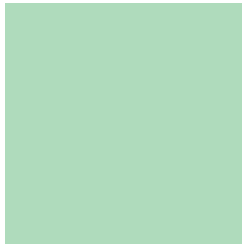
10.3339, 0.4128, 0.2048



0.6843, 0.3943, 0.1946

Previews

White Background



This preview shows how the Yxy color 63.4078, 0.3018, 0.3674 looks on a white background.

Color Contrast Check

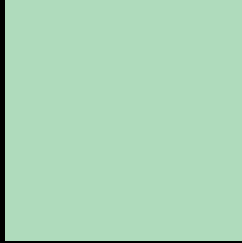
Large Text (above 18pt) WCAG AA × Fail

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 63.4078, 0.3018, 0.3674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

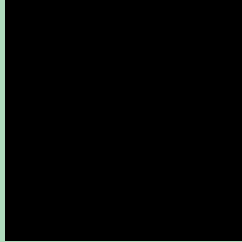
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

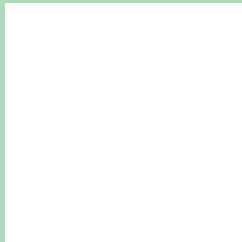
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.4078, 0.3018, 0.3674

Background



This preview shows how black text looks on a background with the Yxy color 63.4078, 0.3018, 0.3674.

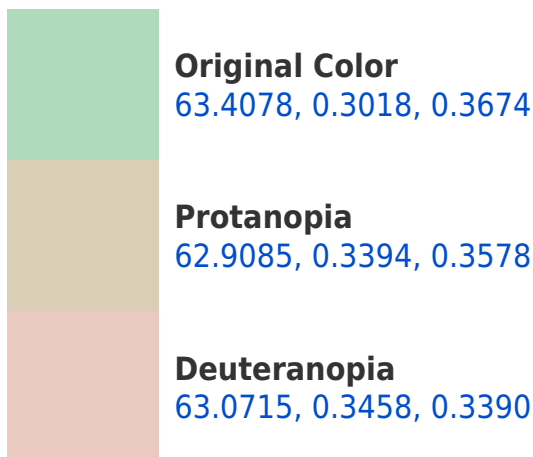


This preview shows how white text looks on a background with the Yxy color 63.4078, 0.3018, 0.3674.

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

63.2468, 0.2803, 0.3090

Trichromacy



Original Color

63.4078, 0.3018, 0.3674

Protanomaly

62.6058, 0.3248, 0.3611

Deuteranomaly

63.0195, 0.3286, 0.3487

Tritanomaly

63.0909, 0.2876, 0.3289

Monochromacy



Original Color

63.4078, 0.3018, 0.3674

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

60.3494, 0.3084, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4078, 0.3018, 0.3674 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(175, 219, 188)` looks like.

```
.text, #text, p{  
    color:rgb(175, 219, 188)  
}
```

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(175, 219, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 219, 188) }
```

Border

The CSS property to change the border of an element to Yxy 63.4078, 0.3018, 0.3674 is called "border". The border property can be set on classes, ids or directly on the HTML element.

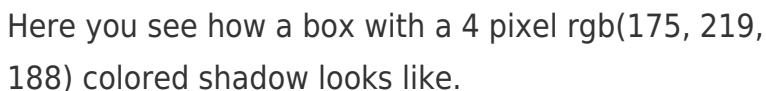
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 219, 188) }
```

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

```
.border{ border-color:rgb(175, 219, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 219, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 219, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 219, 188); box-shadow:4px 4px 4px 4px rgb(175, 219, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4078, 0.3018, 0.3674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 219, 188) }
```

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

```
.background{ background-color: rgb(175,  
219, 188) }
```

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