

Converting Colors

$Yxy(64.4882, 0.3038, 0.3722)$

Have a look what the booklet for
Yxy(64.4882, 0.3038, 0.3722)
contains.

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Color

Yxy(64.4882, 0.3038, 0.3722)

Conversions

Conversions Part 1

Format	Color
Hex	B0DDBA
RGB	176, 221, 186
RGB Percent	69%, 87%, 73%
CMY	0.3095, 0.1334, 0.2705
CMYK	0.20, 0.00, 0.16, 0.13
HSL	133°, 40%, 78%
HSV	133°, 20%, 87%
XYZ	52.6371, 64.4882, 56.1370
YIQ	203.5550, -15.5850, -20.4250

Conversions

Conversions Part 2

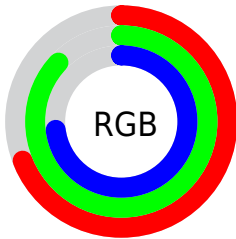
Format	Color
RYB	176, 213, 221
Decimal	11591098
CIELab	84.22, -21.38, 12.42
CIElCh	84, 24.724, 149.843
Yxy	64.4882, 0.3038, 0.3722
Android (android.graphics.Color)	4289781178 (0xFFB0DDBA)
YUV	203.5550, -8.6546, -24.1657
Hunter-Lab	80.3045, -23.5319, 14.7665

Details

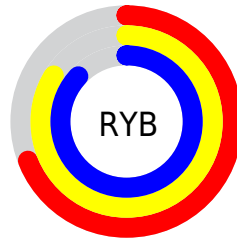
The Yxy color **64.4882, 0.3038, 0.3722** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.1541, 0.3231, 0.2894**, and the grayscale version is **60.1612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0866, 0.3060, 0.3420**, and **33.1768, 0.3012, 0.3838** is the 20% darker color. If you saturate the color by 10%, you get **61.4314, 0.2996, 0.3973**, and if you desaturate by 10%, it is **68.0579, 0.3082, 0.3496**.

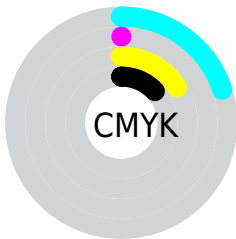
Distribution



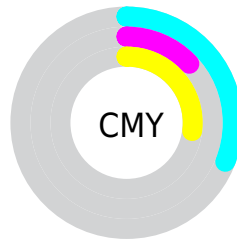
- Red (69%)
- Green (87%)
- Blue (73%)



- Red (69%)
- Yellow (84%)
- Blue (87%)



- Cyan (20%)
- Magenta (0%)
- Yellow (16%)
- Black (13%)





- Cyan (31%)
- Magenta (13%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4882, 0.3038, 0.3722 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 64.4882, 0.3038, 0.3722 by changing the saturation by 10% instead.

 64.4882, 0.3038,
0.3722

 64.4882, 0.3038,
0.3722


440.9505, 0.3083,
0.3511

 47.0462, 0.3027,
0.3773


 111.3137, 0.3055,
0.3647

 33.0722, 0.3012,
0.3837


141.4660, 0.3061,
0.3618

 22.1817, 0.2992,
0.3922


176.6239, 0.3066,
0.3594

 13.9905, 0.2965,
0.4037

217.1717, 0.3070,
0.3573

 8.1141, 0.2923,
0.4202

263.4939, 0.3074,
0.3554

 4.1680, 0.2856,
0.4459

315.9748, 0.3078,

 1.7680, 0.2730,

0.3538

0.4918

374.9989, 0.3081,
0.3524

0.4671, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.4882, 0.3038,
0.3722

64.4882, 0.3038,
0.3722

61.4314, 0.2996,
0.3973

68.0579, 0.3082,
0.3496

58.8561, 0.2957,
0.4247

72.1542, 0.3126,
0.3296

56.7396, 0.2926,
0.4537

76.8004, 0.3169,
0.3121

55.0545, 0.2903,
0.4834

80.1761, 0.3144,
0.2961

■ 53.7702, 0.2893,
0.5122

■ 80.1865, 0.3143,
0.2960

■ 52.8518, 0.2897,
0.5386

■ 52.2586, 0.2914,
0.5610

■ 51.9278, 0.2938,
0.5778

Harmonies

Analogous

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



64.4882, 0.3348, 0.3841



64.4882, 0.3038, 0.3722



64.4882, 0.2762, 0.3467

Triad

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



64.4882, 0.3038, 0.3722



64.4882, 0.2656, 0.2796



64.4882, 0.3699, 0.3365

Complementary

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



64.4882, 0.3038, 0.3722



51.1541, 0.3231, 0.2894

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.



64.4882, 0.3495, 0.3112



64.4882, 0.3038, 0.3722



64.4882, 0.2888, 0.2793

Square

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



64.4882, 0.3038, 0.3722



64.4882, 0.2549, 0.2928



64.4882, 0.3194, 0.2907



64.4882, 0.3739, 0.3613

Rectangle

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



64.4882, 0.3038, 0.3722



64.4882, 0.2631, 0.3268



64.4882, 0.3194, 0.2907



64.4882, 0.3647, 0.3279

Sweetspot

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



64.4909, 0.3038, 0.3722



96.4692, 0.3101, 0.3407



68.7307, 0.3358, 0.3807



20.5697, 0.3098, 0.3421



0.0000, 0.0000, 0.0000



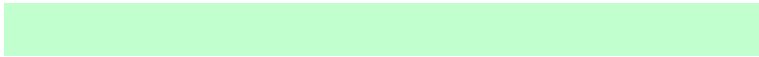
21.4041, 0.3127, 0.3290

Same Dimension

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



64.4909, 0.3038, 0.3722



87.4852, 0.3021, 0.3816



65.5119, 0.2900, 0.3443



14.6532, 0.3086, 0.3477



30.1833, 0.2932, 0.5755



1.9685, 0.2846, 0.5445

Inverse Universe

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



51.1541, 0.3231, 0.2894



66.1322, 0.3254, 0.2816



50.1143, 0.3419, 0.3143



13.2229, 0.3171, 0.3110



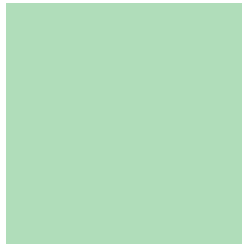
10.6791, 0.3859, 0.1900



0.7043, 0.3732, 0.1830

Previews

White Background



This preview shows how the Yxy color 64.4882, 0.3038, 0.3722 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 64.4882, 0.3038, 0.3722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

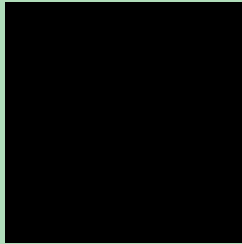
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

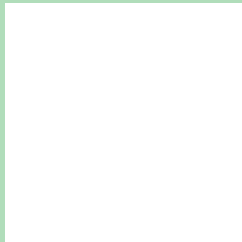
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.4882, 0.3038, 0.3722

Background



This preview shows how black text looks on a background with the Yxy color 64.4882, 0.3038, 0.3722.

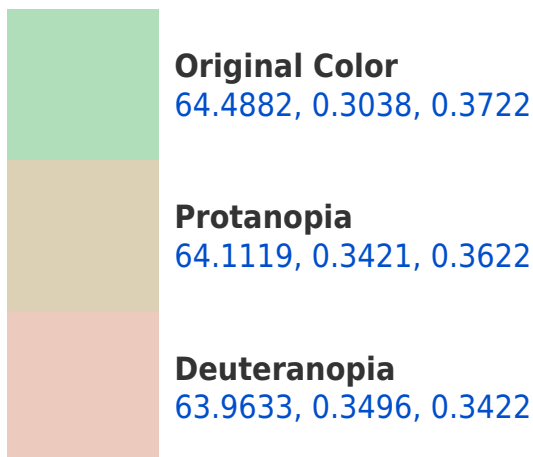


This preview shows how white text looks on a background with the Yxy color 64.4882, 0.3038, 0.3722.

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

64.6174, 0.2806, 0.3092

Trichromacy



Original Color

64.4882, 0.3038, 0.3722

Protanomaly

63.8033, 0.3274, 0.3656

Deuteranomaly

63.7221, 0.3315, 0.3520

Tritanomaly

64.3558, 0.2890, 0.3313

Monochromacy



Original Color

64.4882, 0.3038, 0.3722

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.5937, 0.3098, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4882, 0.3038, 0.3722 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, 221, 186)` looks like.

```
.text, #text, p{  
    color:rgb(176, 221, 186)  
}
```

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, 221, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 221, 186) }
```

Border

The CSS property to change the border of an element to Yxy 64.4882, 0.3038, 0.3722 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, 221, 186) }
```

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

```
.border{ border-color:rgb(176, 221, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 221, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 221, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 221, 186); box-shadow:4px 4px 4px 4px rgb(176, 221, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4882, 0.3038, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 221, 186) }
```

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

```
.background{ background-color: rgb(176,  
221, 186) }
```

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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