

Converting Colors

Yxy(63.6947, 0.3070, 0.3641)

Have a look what the booklet for
Yxy(63.6947, 0.3070, 0.3641)
contains.

Yxy(63.8842, 0.3068, 0.3644)	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(63.8842, 0.3068, 0.3644)

Conversions

Conversions Part 1

Format	Color
Hex	B7DABD
RGB	183, 218, 189
RGB Percent	72%, 85%, 74%
CMY	0.2823, 0.1451, 0.2588
CMYK	0.16, 0.00, 0.13, 0.15
HSL	130°, 32%, 79%
HSV	130°, 16%, 85%
XYZ	53.7861, 63.8842, 57.6430
YIQ	204.2290, -11.5510, -16.4390

Conversions

Conversions Part 2

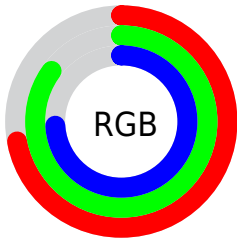
Format	Color
RYB	183, 213, 218
Decimal	12049085
CIELab	83.91, -17.06, 10.46
CIELCh	84, 20.009, 148.489
Yxy	63.8842, 0.3068, 0.3644
Android (android.graphics.Color)	4290239165 (0xFFB7DABD)
YUV	204.2290, -7.5079, -18.6178
Hunter-Lab	79.9276, -19.7542, 13.1899

Details

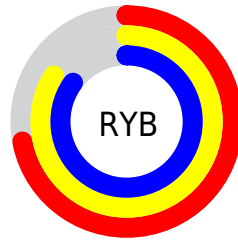
The Yxy color **63.8842, 0.3068, 0.3644** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.5284, 0.3193, 0.2960**, and the grayscale version is **60.5918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4633, 0.3086, 0.3389**, and **32.7178, 0.3051, 0.3732** is the 20% darker color. If you saturate the color by 10%, you get **60.6811, 0.3031, 0.3901**, and if you desaturate by 10%, it is **67.6044, 0.3105, 0.3415**.

Distribution



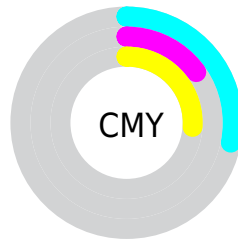
- Red (72%)
- Green (85%)
- Blue (74%)



- Red (72%)
- Yellow (84%)
- Blue (85%)



- Cyan (16%)
- Magenta (0%)
- Yellow (13%)
- Black (15%)





- Cyan (28%)
- Magenta (15%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8842, 0.3068, 0.3644 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 63.8842, 0.3068, 0.3644 by changing the saturation by 10% instead.


 63.8842, 0.3068,
0.3644

 63.8842, 0.3068,
0.3644

438.7713, 0.3098,
0.3472

 46.5569, 0.3060,
0.3685

 110.4441, 0.3079,
0.3583

 32.6855, 0.3051,
0.3738


140.4456, 0.3083,
0.3559

 21.8856, 0.3037,
0.3806


175.4405, 0.3087,
0.3539

 13.7729, 0.3019,
0.3899

215.8133, 0.3090,
0.3522

 7.9629, 0.2991,
0.4032

261.9484, 0.3092,
0.3507

 4.0712, 0.2946,
0.4239

314.2302, 0.3094,

 1.7135, 0.2858,

0.3494

0.4603

373.0430, 0.3096,
0.3483

0.4324, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.8842, 0.3068,
0.3644

63.8842, 0.3068,
0.3644

60.6811, 0.3031,
0.3901

67.6044, 0.3105,
0.3415

57.9645, 0.2997,
0.4183

71.8548, 0.3141,
0.3214

55.7128, 0.2966,
0.4485

76.6580, 0.3176,
0.3038

53.8995, 0.2943,
0.4796

78.6247, 0.3144,
0.2930

■ 52.4957, 0.2928,
0.5101

■ 51.4687, 0.2925,
0.5383

■ 50.7809, 0.2934,
0.5622

■ 50.3859, 0.2953,
0.5802

■ 50.2807, 0.2960,
0.5857

Harmonies

Analogous

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



63.8842, 0.3320, 0.3736



63.8842, 0.3068, 0.3644



63.8842, 0.2839, 0.3445

Triad

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



63.8842, 0.3068, 0.3644



63.8842, 0.2736, 0.2889



63.8842, 0.3585, 0.3345

Complementary

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



63.8842, 0.3068, 0.3644



53.5284, 0.3193, 0.2960

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.



63.8842, 0.3416, 0.3137



63.8842, 0.3068, 0.3644



63.8842, 0.2923, 0.2880

Square

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



63.8842, 0.3068, 0.3644



63.8842, 0.2653, 0.3005



63.8842, 0.3171, 0.2970



63.8842, 0.3625, 0.3549

Rectangle

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



63.8842, 0.3068, 0.3644



63.8842, 0.2728, 0.3285



63.8842, 0.3171, 0.2970



63.8842, 0.3541, 0.3274

Sweetspot

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



63.8869, 0.3068, 0.3644



96.9997, 0.3109, 0.3394



67.5861, 0.3323, 0.3692



20.6750, 0.3106, 0.3409



0.0000, 0.0000, 0.0000



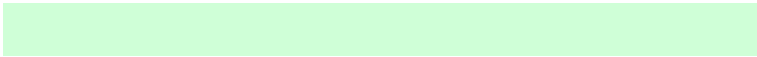
21.4041, 0.3127, 0.3290

Same Dimension

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



63.8869, 0.3068, 0.3644



89.6197, 0.3056, 0.3721



64.6851, 0.2957, 0.3429



14.6425, 0.3093, 0.3489



30.1332, 0.2955, 0.5839



1.9634, 0.2878, 0.5560

Inverse Universe

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



53.5284, 0.3193, 0.2960



72.3642, 0.3207, 0.2894



52.7001, 0.3332, 0.3155



13.2345, 0.3164, 0.3098



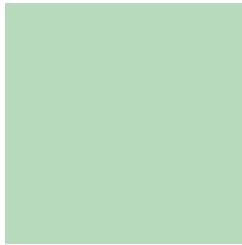
10.9332, 0.3694, 0.1809



0.7186, 0.3602, 0.1758

Previews

White Background



This preview shows how the Yxy color 63.8842, 0.3068, 0.3644 looks on a white background.

Color Contrast Check

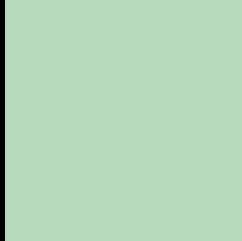
Large Text (above 18pt) WCAG AA × Fail

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 63.8842, 0.3068, 0.3644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

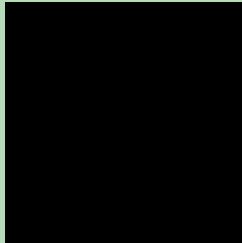
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

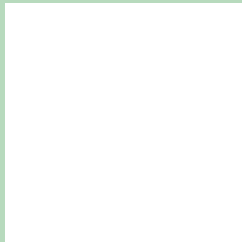
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.8842, 0.3068, 0.3644

Background



This preview shows how black text looks on a background with the Yxy color 63.8842, 0.3068, 0.3644.

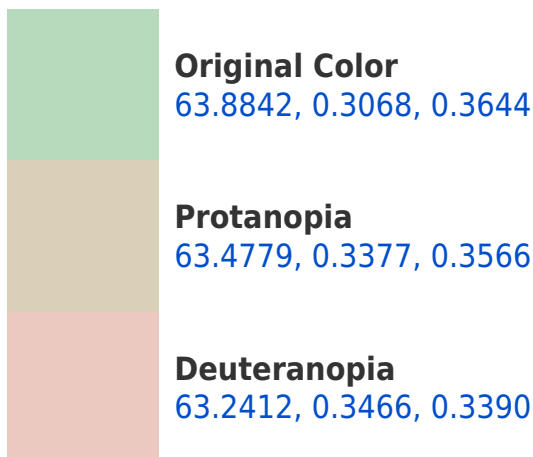


This preview shows how white text looks on a background with the Yxy color 63.8842, 0.3068, 0.3644.

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

63.6913, 0.2861, 0.3093

Trichromacy



Original Color

63.8842, 0.3068, 0.3644

Protanomaly

63.6113, 0.3255, 0.3596

Deuteranomaly

62.9862, 0.3311, 0.3474

Tritanomaly

63.5130, 0.2935, 0.3289

Monochromacy



Original Color

63.8842, 0.3068, 0.3644

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.4602, 0.3099, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8842, 0.3068, 0.3644 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(183, 218, 189)` looks like.

```
.text, #text, p{  
    color:rgb(183, 218, 189)  
}
```

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(183, 218, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 218, 189) }
```

Border

The CSS property to change the border of an element to Yxy 63.8842, 0.3068, 0.3644 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(183, 218, 189) }
```

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

```
.border{ border-color:rgb(183, 218, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 218, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 218, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 218, 189);  
box-shadow:4px 4px 4px 4px rgb(183, 218,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8842, 0.3068, 0.3644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 218, 189) }
```

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

```
.background{ background-color: rgb(183,  
218, 189) }
```

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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