

Converting Colors

$Yxy(63.8388, 0.3027, 0.3647)$

Have a look what the booklet for
Yxy(63.8388, 0.3027, 0.3647)
contains.

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Color

Yxy(63.8457, 0.3026, 0.3647)

Conversions

Conversions Part 1

Format	Color
Hex	B2DBBE
RGB	178, 219, 190
RGB Percent	70%, 86%, 75%
CMY	0.3022, 0.1411, 0.2549
CMYK	0.19, 0.00, 0.13, 0.14
HSL	138°, 36%, 78%
HSV	138°, 19%, 86%
XYZ	52.9742, 63.8457, 58.2437
YIQ	203.4350, -15.1270, -17.7110

Conversions

Conversions Part 2

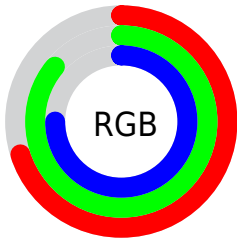
Format	Color
RYB	178, 210, 219
Decimal	11721662
CIELab	83.89, -19.06, 9.86
CIELCh	84, 21.464, 152.643
Yxy	63.8457, 0.3026, 0.3647
Android (android.graphics.Color)	4289911742 (0xFFB2DBBE)
YUV	203.4350, -6.6235, -22.3065
Hunter-Lab	79.9035, -21.4896, 12.7145

Details

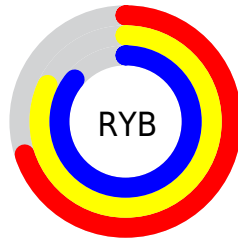
The Yxy color **63.8457, 0.3026, 0.3647** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.3814, 0.3246, 0.2958**, and the grayscale version is **60.0523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6662, 0.3049, 0.3379**, and **32.7170, 0.2998, 0.3736** is the 20% darker color. If you saturate the color by 10%, you get **60.8212, 0.2974, 0.3870**, and if you desaturate by 10%, it is **67.3610, 0.3080, 0.3447**.

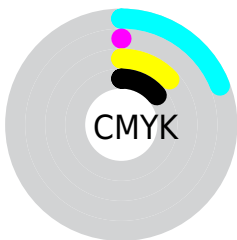
Distribution



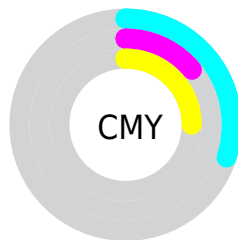
- Red (70%)
- Green (86%)
- Blue (75%)



- Red (70%)
- Yellow (82%)
- Blue (86%)



- Cyan (19%)
- Magenta (0%)
- Yellow (13%)
- Black (14%)




- Cyan (30%)
- Magenta (14%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8457, 0.3026, 0.3647 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 63.8457, 0.3026, 0.3647 by changing the saturation by 10% instead.

 63.8457, 0.3026,
0.3647

 63.8457, 0.3026,
0.3647


438.6322, 0.3076,
0.3473

 46.5257, 0.3014,
0.3689

 110.3887, 0.3044,
0.3585

 32.6609, 0.2998,
0.3742


140.3805, 0.3051,
0.3561

 21.8668, 0.2977,
0.3811


175.3650, 0.3057,
0.3541

 13.7590, 0.2949,
0.3905

215.7266, 0.3062,
0.3524

 7.9533, 0.2907,
0.4040

261.8498, 0.3066,
0.3509

 4.0651, 0.2840,
0.4251

314.1188, 0.3070,

 1.7100, 0.2717,

0.3496

0.4622

372.9182, 0.3073,
0.3484

0.4301, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.8457, 0.3026,
0.3647

63.8457, 0.3026,
0.3647

60.8212, 0.2974,
0.3870

67.3610, 0.3080,
0.3447

58.2576, 0.2928,
0.4114

71.3793, 0.3134,
0.3269

56.1341, 0.2888,
0.4376

75.9227, 0.3187,
0.3113

54.4249, 0.2860,
0.4647

78.9545, 0.3164,
0.2969

■ 53.1018, 0.2845,
0.4919

■ 79.1534, 0.3144,
0.2940

■ 52.1326, 0.2846,
0.5178

■ 51.4798, 0.2863,
0.5411

■ 51.0869, 0.2893,
0.5607

■ 51.0470, 0.2897,
0.5629

Harmonies

Analogous

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



63.8457, 0.3297, 0.3764



63.8457, 0.3026, 0.3647



63.8457, 0.2790, 0.3421

Triad

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



63.8457, 0.3026, 0.3647



63.8457, 0.2730, 0.2853



63.8457, 0.3634, 0.3380

Complementary

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



63.8457, 0.3026, 0.3647



51.3814, 0.3246, 0.2958

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.



63.8457, 0.3469, 0.3155



63.8457, 0.3026, 0.3647



63.8457, 0.2942, 0.2859

Square

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



63.8457, 0.3026, 0.3647



63.8457, 0.2624, 0.2960



63.8457, 0.3213, 0.2968



63.8457, 0.3655, 0.3593

Rectangle

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



63.8457, 0.3026, 0.3647



63.8457, 0.2681, 0.3248



63.8457, 0.3213, 0.2968



63.8457, 0.3593, 0.3303

Sweetspot

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



63.8484, 0.3026, 0.3647



96.5361, 0.3094, 0.3396



67.2053, 0.3320, 0.3768



20.5854, 0.3091, 0.3409



0.0000, 0.0000, 0.0000



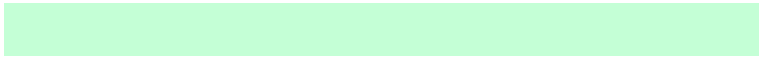
21.4041, 0.3127, 0.3290

Same Dimension

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



63.8484, 0.3026, 0.3647



88.1357, 0.3003, 0.3743



64.7899, 0.2901, 0.3396



14.6688, 0.3076, 0.3460



30.2789, 0.2890, 0.5603



1.9765, 0.2798, 0.5273

Inverse Universe

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



51.3814, 0.3246, 0.2958



67.0582, 0.3279, 0.2876



50.4593, 0.3415, 0.3187



13.2063, 0.3182, 0.3126



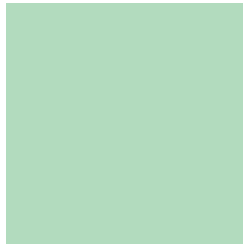
10.3474, 0.4117, 0.2042



0.6851, 0.3934, 0.1941

Previews

White Background



This preview shows how the Yxy color 63.8457, 0.3026, 0.3647 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 63.8457, 0.3026, 0.3647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

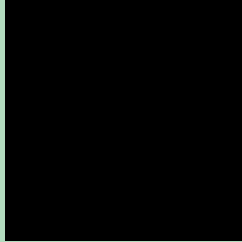
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

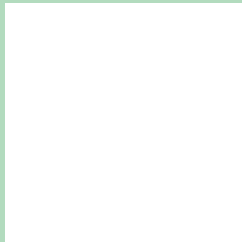
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.8457, 0.3026, 0.3647

Background



This preview shows how black text looks on a background with the Yxy color 63.8457, 0.3026, 0.3647.

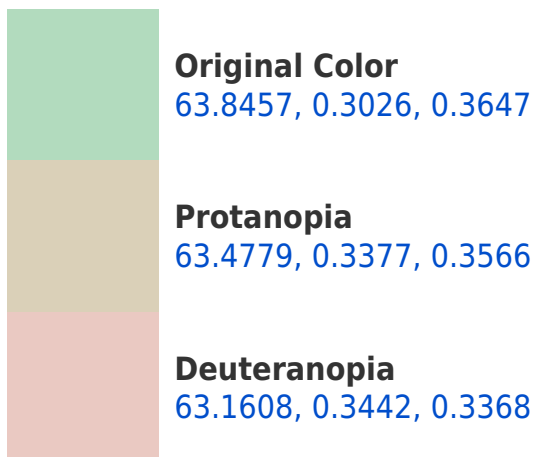


This preview shows how white text looks on a background with the Yxy color 63.8457, 0.3026, 0.3647.

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

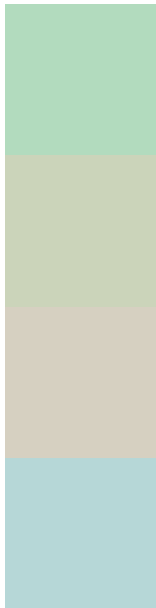




Tritanopia

63.6160, 0.2823, 0.3091

Trichromacy



Original Color

63.8457, 0.3026, 0.3647

Protanomaly

63.3286, 0.3240, 0.3597

Deuteranomaly

63.2581, 0.3280, 0.3463

Tritanomaly

63.4523, 0.2896, 0.3289

Monochromacy



Original Color

63.8457, 0.3026, 0.3647

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

61.1475, 0.3091, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8457, 0.3026, 0.3647 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(178, 219, 190)` looks like.

```
.text, #text, p{  
    color:rgb(178, 219, 190)  
}
```

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(178, 219, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 219, 190) }
```

Border

The CSS property to change the border of an element to Yxy 63.8457, 0.3026, 0.3647 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(178, 219, 190) }
```

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

```
.border{ border-color:rgb(178, 219, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 219, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 219, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 219, 190);  
box-shadow:4px 4px 4px 4px rgb(178, 219,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8457, 0.3026, 0.3647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 219, 190) }
```

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

```
.background{ background-color: rgb(178,  
219, 190) }
```

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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