

Converting Colors

$Yxy(60.0307, 0.3073, 0.4135)$

Have a look what the booklet for
Yxy(60.0307, 0.3073, 0.4135)
contains.

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Color

Yxy(59.8356, 0.3068, 0.4128)

Conversions

Conversions Part 1

Format	Color
Hex	99DB9C
RGB	153, 219, 156
RGB Percent	60%, 86%, 61%
CMY	0.3999, 0.1412, 0.3884
CMYK	0.30, 0.00, 0.29, 0.14
HSL	123°, 48%, 73%
HSV	123°, 30%, 86%
XYZ	44.4708, 59.8356, 40.6441
YIQ	192.0840, -19.1130, -33.5850

Conversions

Conversions Part 2

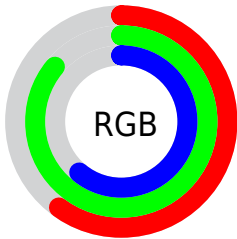
Format	Color
RYB	153, 216, 219
Decimal	10083228
CIELab	81.75, -33.17, 24.53
CIELCh	82, 41.251, 143.516
Yxy	59.8356, 0.3068, 0.4128
Android (android.graphics.Color)	4288273308 (0xFF99DB9C)
YUV	192.0840, -17.7894, -34.2767
Hunter-Lab	77.3535, -32.7482, 22.9945

Details

The Yxy color **59.8356, 0.3068, 0.4128** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.8130, 0.3188, 0.2574**, and the grayscale version is **52.8812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7785, 0.3093, 0.3762**, and **30.2597, 0.3043, 0.4378** is the 20% darker color. If you saturate the color by 10%, you get **57.2499, 0.3047, 0.4463**, and if you desaturate by 10%, it is **62.9396, 0.3089, 0.3818**.

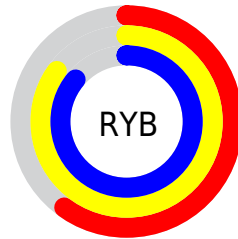
Distribution



Red (60%)

Green (86%)

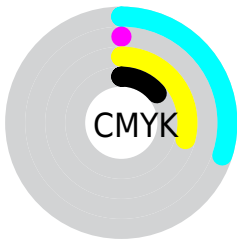
Blue (61%)



Red (60%)

Yellow (85%)

Blue (86%)

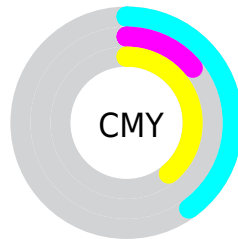


Cyan (30%)

Magenta (0%)

Yellow (29%)

Black (14%)



Cyan (40%)


Magenta (14%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.8356, 0.3068, 0.4128 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 59.8356, 0.3068, 0.4128 by changing the saturation by 10% instead.


 59.8356, 0.3068,
0.4128


 59.8356, 0.3068,
0.4128


423.9915, 0.3107,
0.3707

 43.2861, 0.3055,
0.4233


 104.5911, 0.3084,
0.3975

 30.1097, 0.3037,
0.4369


 133.5660, 0.3090,
0.3917

 19.9219, 0.3011,
0.4548

167.4515, 0.3094,
0.3868

 12.3383, 0.2968,
0.4796

206.6319, 0.3098,
0.3827

 6.9745, 0.2895,
0.5160

251.4918, 0.3101,
0.3791

 3.4461, 0.2752,
0.5738

302.4154, 0.3103,

 1.3689, 0.2376,

0.3759

0.7624

359.7872, 0.3106,
0.3731

■ 0.1936, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.8356, 0.3068,
0.4128

■ 59.8356, 0.3068,
0.4128

■ 57.2499, 0.3047,
0.4463

■ 62.9396, 0.3089,
0.3818

■ 55.1472, 0.3028,
0.4811

■ 66.5798, 0.3108,
0.3539

■ 53.4997, 0.3012,
0.5151

■ 70.7826, 0.3127,
0.3293

■ 52.2737, 0.2999,
0.5460

■ 75.5706, 0.3144,
0.3079

■ 51.4310, 0.2993,
0.5710

■ 79.1437, 0.3144,
0.2940

■ 50.9261, 0.2992,
0.5884

■ 50.6851, 0.2994,
0.5977

Harmonies

Analogous

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



59.8356, 0.3587, 0.4253



59.8356, 0.3068, 0.4128



59.8356, 0.2589, 0.3703

Triad

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



59.8356, 0.3068, 0.4128



59.8356, 0.2292, 0.2493



59.8356, 0.4060, 0.3300

Complementary

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



59.8356, 0.3068, 0.4128



42.8130, 0.3188, 0.2574

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.



59.8356, 0.3653, 0.2909



59.8356, 0.3068, 0.4128



59.8356, 0.2623, 0.2460

Square

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



59.8356, 0.3068, 0.4128



59.8356, 0.2169, 0.2732



59.8356, 0.3115, 0.2611



59.8356, 0.4186, 0.3717

Rectangle

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



59.8356, 0.3068, 0.4128



59.8356, 0.2354, 0.3344



59.8356, 0.3115, 0.2611



59.8356, 0.3950, 0.3164

Sweetspot

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



59.8381, 0.3068, 0.4128



94.5716, 0.3110, 0.3511



67.6860, 0.3563, 0.4043



20.0677, 0.3108, 0.3550



0.0000, 0.0000, 0.0000



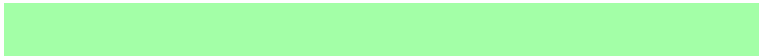
21.4041, 0.3127, 0.3290

Same Dimension

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



59.8381, 0.3068, 0.4128



82.1286, 0.3055, 0.4333



61.0789, 0.2872, 0.3688



14.6156, 0.3110, 0.3521



30.0577, 0.2992, 0.5970



1.9507, 0.2966, 0.5878

Inverse Universe

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



42.8130, 0.3188, 0.2574



54.4846, 0.3201, 0.2430



41.3051, 0.3488, 0.2926



13.2643, 0.3145, 0.3070



11.6709, 0.3323, 0.1604



0.7593, 0.3303, 0.1593

Previews

White Background



This preview shows how the Yxy color 59.8356, 0.3068, 0.4128 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 59.8356, 0.3068, 0.4128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

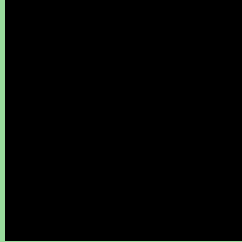
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.8356, 0.3068, 0.4128

Background



This preview shows how black text looks on a background with the Yxy color 59.8356, 0.3068, 0.4128.

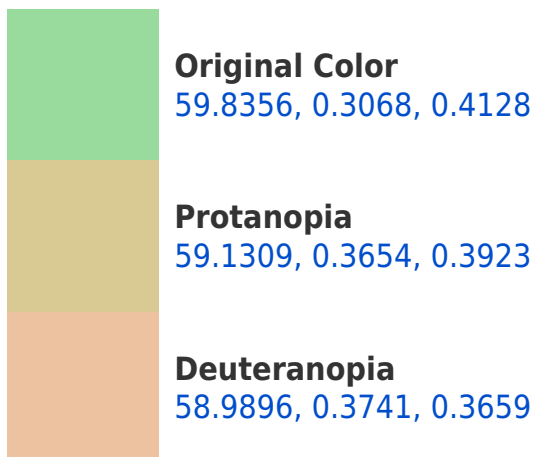


This preview shows how white text looks on a background with the Yxy color 59.8356, 0.3068, 0.4128.

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

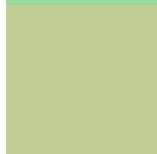
59.7462, 0.2716, 0.3083

Trichromacy



Original Color

59.8356, 0.3068, 0.4128



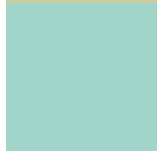
Protanomaly

58.8154, 0.3424, 0.3996



Deuteranomaly

58.3369, 0.3476, 0.3821



Tritanomaly

59.3826, 0.2842, 0.3441

Monochromacy



Original Color

59.8356, 0.3068, 0.4128



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

54.9607, 0.3106, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.8356, 0.3068, 0.4128 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(153, 219, 156)` looks like.

```
.text, #text, p{  
    color:rgb(153, 219, 156)  
}
```

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(153, 219, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 219, 156) }
```

Border

The CSS property to change the border of an element to Yxy 59.8356, 0.3068, 0.4128 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(153, 219, 156) }
```

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

```
.border{ border-color:rgb(153, 219, 156) }
```

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

Here you see how a box with a 4 pixel rgb(153, 219, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 219, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 219, 156);  
box-shadow:4px 4px 4px 4px rgb(153, 219,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 59.8356, 0.3068, 0.4128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 219, 156) }
```

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

```
.background{ background-color: rgb(153,  
219, 156) }
```

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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