

Converting Colors

$Yxy(58.8681, 0.3081, 0.4135)$

Have a look what the booklet for
Yxy(58.8681, 0.3081, 0.4135)
contains.

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Color

Yxy(58.7311, 0.3081, 0.4133)

Conversions

Conversions Part 1

Format	Color
Hex	99D99A
RGB	153, 217, 154
RGB Percent	60%, 85%, 60%
CMY	0.4000, 0.1490, 0.3962
CMYK	0.29, 0.00, 0.29, 0.15
HSL	121°, 46%, 73%
HSV	121°, 29%, 85%
XYZ	43.7819, 58.7311, 39.5898
YIQ	190.6820, -17.9210, -33.1610

Conversions

Conversions Part 2

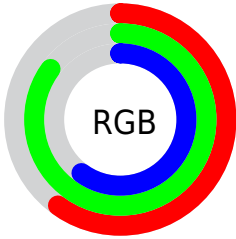
Format	Color
RYB	153, 216, 217
Decimal	10082714
CIELab	81.14, -32.57, 24.74
CIELCh	81, 40.903, 142.782
Yxy	58.7311, 0.3081, 0.4133
Android (android.graphics.Color)	4288272794 (0xFF99D99A)
YUV	190.6820, -18.0842, -33.0471
Hunter-Lab	76.6362, -32.1372, 23.0165

Details

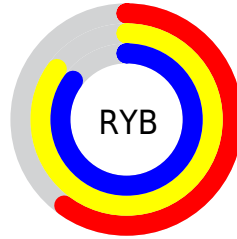
The Yxy color **58.7311, 0.3081, 0.4133** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.4974, 0.3170, 0.2570**, and the grayscale version is **52.0220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6788, 0.3104, 0.3784**, and **29.5093, 0.3059, 0.4387** is the 20% darker color. If you saturate the color by 10%, you get **56.1606, 0.3063, 0.4477**, and if you desaturate by 10%, it is **61.8173, 0.3098, 0.3815**.

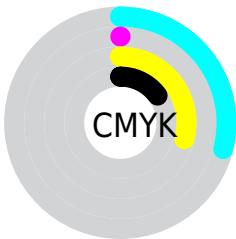
Distribution



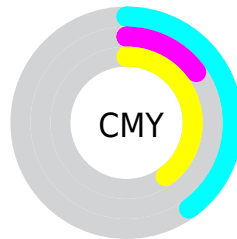
- Red (60%)
- Green (85%)
- Blue (60%)



- Red (60%)
- Yellow (85%)
- Blue (85%)



- Cyan (29%)
- Magenta (0%)
- Yellow (29%)
- Black (15%)





- Cyan (40%)
- Magenta (15%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7311, 0.3081, 0.4133 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 58.7311, 0.3081, 0.4133 by changing the saturation by 10% instead.


 58.7311, 0.3081,
0.4133

 58.7311, 0.3081,
0.4133

419.9047, 0.3114,
0.3708

 42.3967, 0.3070,
0.4240

 102.9867, 0.3095,
0.3978

 29.4120, 0.3053,
0.4377


 131.6768, 0.3100,
0.3920

 19.3927, 0.3028,
0.4559


165.2541, 0.3104,
0.3871

 11.9544, 0.2988,
0.4811

204.1032, 0.3107,
0.3829

 6.7126, 0.2917,
0.5183

248.6084, 0.3109,
0.3792

 3.2830, 0.2777,
0.5781

299.1541, 0.3111,

 1.2812, 0.2275,

0.3761

0.7725

356.1248, 0.3113,
0.3733

■ 0.1266, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.7311, 0.3081,
0.4133

■ 58.7311, 0.3081,
0.4133

■ 56.1606, 0.3063,
0.4477

■ 61.8173, 0.3098,
0.3815

■ 54.0708, 0.3046,
0.4832

■ 65.4373, 0.3114,
0.3529

■ 52.4341, 0.3029,
0.5179

■ 69.6173, 0.3128,
0.3278

■ 51.2169, 0.3015,
0.5489

■ 74.3797, 0.3140,
0.3060

■ 50.3810, 0.3005,
0.5738

■ 78.1081, 0.3145,
0.2920

■ 49.8814, 0.3000,
0.5904

■ 49.6448, 0.2998,
0.5989

■ 49.6353, 0.2998,
0.5992

Harmonies

Analogous

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



58.7311, 0.3598, 0.4250



58.7311, 0.3081, 0.4133



58.7311, 0.2601, 0.3715

Triad

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



58.7311, 0.3081, 0.4133



58.7311, 0.2288, 0.2498



58.7311, 0.4051, 0.3290

Complementary

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



58.7311, 0.3081, 0.4133



42.4974, 0.3170, 0.2570

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.



58.7311, 0.3640, 0.2901



58.7311, 0.3081, 0.4133



58.7311, 0.2614, 0.2460

Square

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



58.7311, 0.3081, 0.4133



58.7311, 0.2171, 0.2742



58.7311, 0.3102, 0.2607



58.7311, 0.4185, 0.3706

Rectangle

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



58.7311, 0.3081, 0.4133



58.7311, 0.2363, 0.3357



58.7311, 0.3102, 0.2607



58.7311, 0.3939, 0.3154

Sweetspot

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



58.7336, 0.3081, 0.4133



94.5330, 0.3114, 0.3518



66.6807, 0.3570, 0.4023



20.0583, 0.3112, 0.3558



0.0000, 0.0000, 0.0000



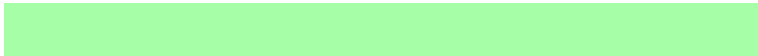
21.4041, 0.3127, 0.3290

Same Dimension

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



58.7336, 0.3081, 0.4133



82.3938, 0.3071, 0.4331



59.9043, 0.2890, 0.3707



14.6094, 0.3114, 0.3528



30.0465, 0.2997, 0.5990



1.9477, 0.2988, 0.5958

Inverse Universe

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



42.4974, 0.3170, 0.2570



55.5749, 0.3179, 0.2431



41.0408, 0.3457, 0.2909



13.2713, 0.3140, 0.3063



11.8616, 0.3247, 0.1562



0.7696, 0.3240, 0.1559

Previews

White Background



This preview shows how the Yxy color 58.7311, 0.3081, 0.4133 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 58.7311, 0.3081, 0.4133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

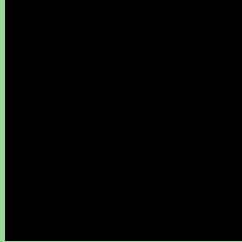
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.7311, 0.3081, 0.4133

Background



This preview shows how black text looks on a background with the Yxy color 58.7311, 0.3081, 0.4133.



This preview shows how white text looks on a background with the Yxy color 58.7311, 0.3081, 0.4133.

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



Original Color

58.7311, 0.3081, 0.4133

Protanopia

58.4788, 0.3657, 0.3926

Deuteranopia

58.1356, 0.3744, 0.3673



Tritanopia

58.6550, 0.2725, 0.3081

Trichromacy



Original Color

58.7311, 0.3081, 0.4133



Protanomaly

58.1651, 0.3425, 0.3999



Deuteranomaly

57.6545, 0.3485, 0.3836



Tritanomaly

58.2891, 0.2853, 0.3442

Monochromacy



Original Color

58.7311, 0.3081, 0.4133



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

53.8700, 0.3106, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7311, 0.3081, 0.4133 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, 217, 154)` looks like.

```
.text, #text, p{  
    color:rgb(153, 217, 154)  
}
```

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, 217, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 217, 154) }
```

Border

The CSS property to change the border of an element to Yxy 58.7311, 0.3081, 0.4133 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, 217, 154) }
```

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

```
.border{ border-color:rgb(153, 217, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 217, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 217, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 217, 154);  
box-shadow:4px 4px 4px 4px rgb(153, 217,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7311, 0.3081, 0.4133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 217, 154) }
```

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

```
.background{ background-color: rgb(153,  
217, 154) }
```

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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