

# Converting Colors

$Yxy(58.5049, 0.3349, 0.4188)$

Have a look what the booklet for  
Yxy(58.5049, 0.3349, 0.4188)  
contains.

<b>Yxy(58.5049, 0.3349, 0.4188)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(58.5049, 0.3349, 0.4188)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2D48E
RGB	178, 212, 142
RGB Percent	70%, 83%, 56%
CMY	0.3020, 0.1686, 0.4432
CMYK	0.16, 0.00, 0.33, 0.17
HSL	89°, 45%, 69%
HSV	89°, 33%, 83%
XYZ	46.7844, 58.5049, 34.4073
YIQ	193.8540, 2.2060, -28.9780

# Conversions

## Conversions Part 2

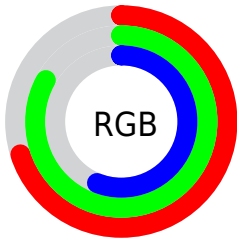
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 212, 176
Decimal	11719822
CIELab	81.02, -23.40, 31.05
CIELCh	81, 38.879, 127.007
Yxy	58.5049, 0.3349, 0.4188
Android (android.graphics.Color)	4289909902 (0xFFB2D48E)
YUV	193.8540, -25.5640, -13.9040
Hunter-Lab	76.4885, -24.6749, 26.8712

# Details

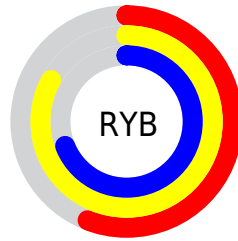
The Yxy color **58.5049, 0.3349, 0.4188** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.3203, 0.2830, 0.2390**, and the grayscale version is **54.0109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.9979, 0.3338, 0.3897**, and **29.1544, 0.3384, 0.4433** is the 20% darker color. If you saturate the color by 10%, you get **56.7577, 0.3404, 0.4486**, and if you desaturate by 10%, it is **60.4697, 0.3286, 0.3897**.

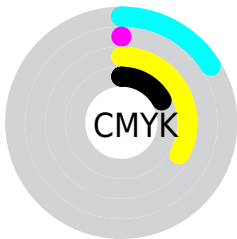
# Distribution



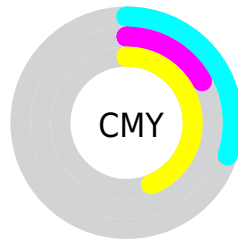
- Red (70%)
- Green (83%)
- Blue (56%)



- Red (56%)
- Yellow (83%)
- Blue (69%)



- Cyan (16%)
- Magenta (0%)
- Yellow (33%)
- Black (17%)




- Cyan (30%)
- Magenta (17%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.5049, 0.3349, 0.4188 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 58.5049, 0.3349, 0.4188 by changing the saturation by 10% instead.




 58.5049, 0.3349,  
0.4188


 58.5049, 0.3349,  
0.4188


419.0647, 0.3254,  
0.3740

 42.2147, 0.3367,  
0.4298

 102.6577, 0.3318,  
0.4026

 29.2694, 0.3388,  
0.4438


 131.2892, 0.3306,  
0.3965

 19.2847, 0.3410,  
0.4622


164.8031, 0.3295,  
0.3913

 11.8762, 0.3430,  
0.4872

203.5840, 0.3285,  
0.3869

 6.6594, 0.3437,  
0.5226

248.0162, 0.3276,  
0.3830

 3.2500, 0.3470,  
0.5874

298.4841, 0.3268,

 1.2636, 0.3176,

0.3796

0.6824

355.3722, 0.3261,  
0.3767

0.1128, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

58.5049, 0.3349,  
0.4188

58.5049, 0.3349,  
0.4188

56.7577, 0.3404,  
0.4486

60.4697, 0.3286,  
0.3897

55.2116, 0.3446,  
0.4779


62.6528, 0.3218,  
0.3621

53.8594, 0.3471,  
0.5054


65.0644, 0.3148,  
0.3364

52.6906, 0.3475,  
0.5295


67.7119, 0.3079,  
0.3129


 51.6932, 0.3456,  
0.5489

 70.6022, 0.3013,  
0.2916

 50.8530, 0.3416,  
0.5629

 72.7950, 0.3039,  
0.2857

 50.3452, 0.3380,  
0.5699

 74.6459, 0.3112,  
0.2866

 75.5702, 0.3147,  
0.2871

# Harmonies

## Analogous

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



58.5049, 0.3804, 0.4142



58.5049, 0.3349, 0.4188



58.5049, 0.2855, 0.3929

# Triad

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



58.5049, 0.3349, 0.4188



58.5049, 0.2239, 0.2633



58.5049, 0.3826, 0.3089

# Complementary

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



58.5049, 0.3349, 0.4188



33.3203, 0.2830, 0.2390

# 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.



58.5049, 0.3351, 0.2755



58.5049, 0.3349, 0.4188



58.5049, 0.2450, 0.2492

# Square

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



58.5049, 0.3349, 0.4188



58.5049, 0.2240, 0.2970



58.5049, 0.2845, 0.2542



58.5049, 0.4104, 0.3483



# Rectangle

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



58.5049, 0.3349, 0.4188



58.5049, 0.2572, 0.3624



58.5049, 0.2845, 0.2542



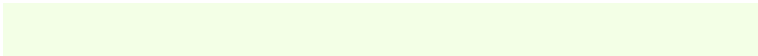
58.5049, 0.3682, 0.2968

# Sweetspot

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



58.5075, 0.3349, 0.4188



96.1918, 0.3197, 0.3543



46.9318, 0.3754, 0.3707



20.4807, 0.3207, 0.3581



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

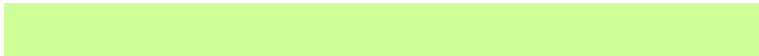


# Same Dimension

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



58.5075, 0.3349, 0.4188



86.8660, 0.3391, 0.4408



54.8948, 0.3089, 0.4264



14.2069, 0.3193, 0.3526



31.1384, 0.3390, 0.5691



1.9273, 0.3520, 0.5587



# Inverse Universe

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



33.3203, 0.2830, 0.2390



42.6330, 0.2744, 0.2169



37.9175, 0.3154, 0.2473



12.3016, 0.3057, 0.3054



4.7718, 0.2001, 0.0876



0.3370, 0.2192, 0.0981



# Previews

## White Background



This preview shows how the Yxy color 58.5049, 0.3349, 0.4188 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 58.5049, 0.3349, 0.4188 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

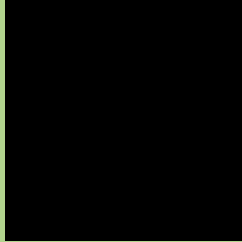
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.5049, 0.3349, 0.4188**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.5049, 0.3349, 0.4188.

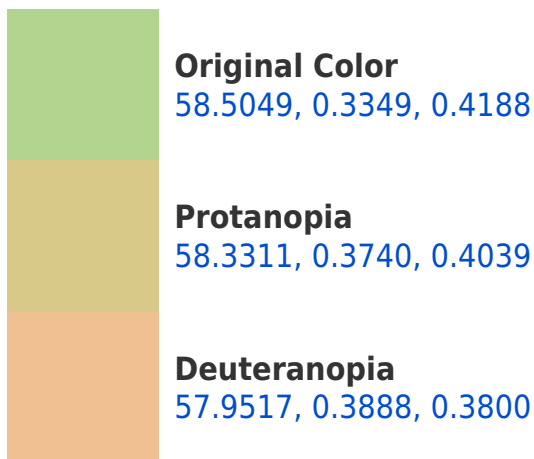


This preview shows how white text looks on a background with the Yxy color 58.5049, 0.3349, 0.4188.

# 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

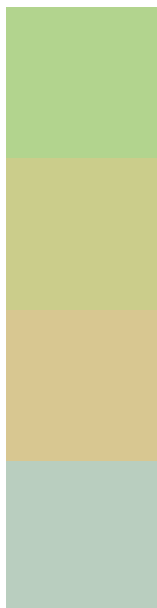




## Tritanopia

58.1743, 0.2913, 0.3087

# Trichromacy



**Original Color**

58.5049, 0.3349, 0.4188

**Protanomaly**

58.2232, 0.3592, 0.4091

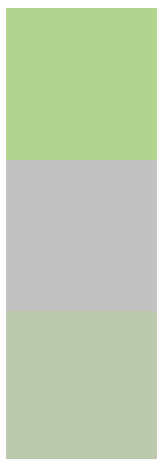
**Deuteranomaly**

57.4901, 0.3679, 0.3927

**Tritanomaly**

58.2185, 0.3073, 0.3475

# Monochromacy



**Original Color**

58.5049, 0.3349, 0.4188

**Achromatopsia**

53.9479, 0.3127, 0.3290

**Achromatomaly**

55.5598, 0.3214, 0.3617

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.5049, 0.3349, 0.4188 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, 212, 142)` looks like.

```
.text, #text, p{  
    color:rgb(178, 212, 142)  
}
```

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, 212, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 212, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 58.5049, 0.3349, 0.4188 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, 212, 142) }
```

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

```
.border{ border-color:rgb(178, 212, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 212, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 212, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 212, 142);  
box-shadow:4px 4px 4px 4px rgb(178, 212,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.5049, 0.3349, 0.4188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 212, 142) }
```

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

```
.background{ background-color: rgb(178,  
212, 142) }
```

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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