

Converting Colors

$Yxy(58.5290, 0.3094, 0.4149)$

Have a look what the booklet for
Yxy(58.5290, 0.3094, 0.4149)
contains.

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Color

Yxy(58.6650, 0.3093, 0.4160)

Conversions

Conversions Part 1

Format	Color
Hex	99D998
RGB	153, 217, 152
RGB Percent	60%, 85%, 60%
CMY	0.4000, 0.1490, 0.4038
CMYK	0.29, 0.00, 0.30, 0.15
HSL	119°, 46%, 72%
HSV	119°, 30%, 85%
XYZ	43.6180, 58.6650, 38.7386
YIQ	190.4540, -17.2790, -33.7830

Conversions

Conversions Part 2

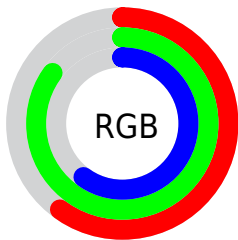
Format	Color
RYB	152, 217, 216
Decimal	10082712
CIELab	81.11, -32.90, 25.71
CIELCh	81, 41.752, 141.994
Yxy	58.6650, 0.3093, 0.4160
Android (android.graphics.Color)	4288272792 (0xFF99D998)
YUV	190.4540, -18.9578, -32.8472
Hunter-Lab	76.5931, -32.3863, 23.6279

Details

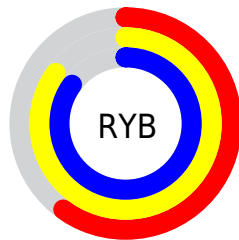
The Yxy color **58.6650, 0.3093, 0.4160** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.0766, 0.3153, 0.2547**, and the grayscale version is **51.8887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5803, 0.3115, 0.3806**, and **29.4896, 0.3066, 0.4406** is the 20% darker color. If you saturate the color by 10%, you get **56.1233, 0.3078, 0.4508**, and if you desaturate by 10%, it is **61.7143, 0.3106, 0.3837**.

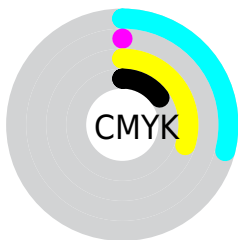
Distribution



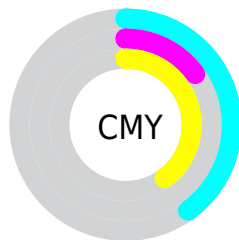
- Red (60%)
- Green (85%)
- Blue (60%)



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



- Cyan (29%)
- Magenta (0%)
- Yellow (30%)
- Black (15%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.6650, 0.3093, 0.4160 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 58.6650, 0.3093, 0.4160 by changing the saturation by 10% instead.

 58.6650, 0.3093,
0.4160

 58.6650, 0.3093,
0.4160


419.6593, 0.3121,
0.3721

 42.3435, 0.3083,
0.4270


 102.8906, 0.3106,
0.4000

 29.3704, 0.3067,
0.4412


 131.5635, 0.3110,
0.3940

 19.3612, 0.3043,
0.4600


165.1224, 0.3113,
0.3889

 11.9315, 0.3004,
0.4861

203.9515, 0.3115,
0.3846

 6.6971, 0.2933,
0.5244

248.4354, 0.3117,
0.3808

 3.2734, 0.2795,
0.5867

298.9584, 0.3119,

 1.2761, 0.2227,

0.3775

0.7773

355.9049, 0.3120,
0.3747

■ 0.1226, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.6650, 0.3093,
0.4160

■ 58.6650, 0.3093,
0.4160

■ 56.1233, 0.3078,
0.4508

■ 61.7143, 0.3106,
0.3837

■ 54.0547, 0.3062,
0.4867

■ 65.2888, 0.3118,
0.3545

■ 52.4322, 0.3046,
0.5213

■ 69.4141, 0.3127,
0.3289

■ 51.2230, 0.3031,
0.5521

■ 74.1123, 0.3135,
0.3066

■ 50.3897, 0.3018,
0.5762

■ 78.1077, 0.3145,
0.2920

■ 49.8885, 0.3008,
0.5919

■ 49.6498, 0.3003,
0.5998

■ 49.6488, 0.3003,
0.5998

Harmonies

Analogous

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



58.6650, 0.3619, 0.4269



58.6650, 0.3093, 0.4160



58.6650, 0.2601, 0.3738

Triad

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



58.6650, 0.3093, 0.4160



58.6650, 0.2266, 0.2486



58.6650, 0.4062, 0.3278

Complementary

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



58.6650, 0.3093, 0.4160



42.0766, 0.3153, 0.2547

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.



58.6650, 0.3637, 0.2884



58.6650, 0.3093, 0.4160



58.6650, 0.2592, 0.2443

Square

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



58.6650, 0.3093, 0.4160



58.6650, 0.2153, 0.2739



58.6650, 0.3087, 0.2588



58.6650, 0.4207, 0.3702

Rectangle

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



58.6650, 0.3093, 0.4160



58.6650, 0.2355, 0.3372



58.6650, 0.3087, 0.2588



58.6650, 0.3946, 0.3140

Sweetspot

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



58.6675, 0.3093, 0.4160



94.5710, 0.3118, 0.3522



66.0912, 0.3580, 0.4023



20.0676, 0.3117, 0.3562



0.0000, 0.0000, 0.0000



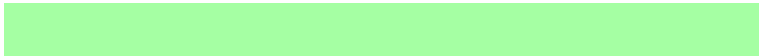
21.4041, 0.3127, 0.3290

Same Dimension

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



58.6675, 0.3093, 0.4160



82.1258, 0.3084, 0.4380



59.7420, 0.2893, 0.3729



14.6155, 0.3118, 0.3531



30.0576, 0.3003, 0.5997



1.9506, 0.3014, 0.5989

Inverse Universe

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



42.0766, 0.3153, 0.2547



54.4849, 0.3158, 0.2392



40.7437, 0.3453, 0.2891



13.2644, 0.3136, 0.3060



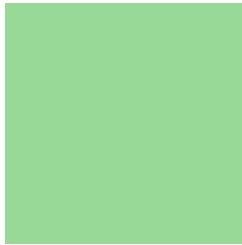
11.6676, 0.3172, 0.1521



0.7591, 0.3178, 0.1525

Previews

White Background



This preview shows how the Yxy color 58.6650, 0.3093, 0.4160 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 58.6650, 0.3093, 0.4160 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 58.6650, 0.3093, 0.4160

Background



This preview shows how black text looks on a background with the Yxy color 58.6650, 0.3093, 0.4160.

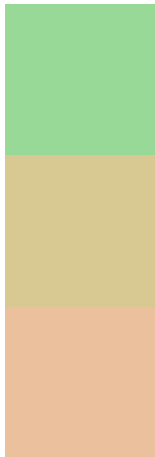


This preview shows how white text looks on a background with the Yxy color 58.6650, 0.3093, 0.4160.

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

58.6650, 0.3093, 0.4160

Protanopia

57.9518, 0.3675, 0.3938

Deuteranopia

58.2364, 0.3769, 0.3694



Tritanopia

58.6006, 0.2731, 0.3093

Trichromacy



Original Color

58.6650, 0.3093, 0.4160



Protanomaly

57.6182, 0.3442, 0.4013



Deuteranomaly

57.5868, 0.3500, 0.3860



Tritanomaly

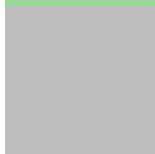
58.2428, 0.2859, 0.3455

Monochromacy



Original Color

58.6650, 0.3093, 0.4160



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

53.7903, 0.3120, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6650, 0.3093, 0.4160 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(153, 217, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 217, 152) }
```

Border

The CSS property to change the border of an element to Yxy 58.6650, 0.3093, 0.4160 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, 152) }
```

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

```
.border{ border-color:rgb(153, 217, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 217, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 217, 152);  
box-shadow:4px 4px 4px 4px rgb(153, 217,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6650, 0.3093, 0.4160 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, 152) }
```

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

```
.background{ background-color: rgb(153,  
217, 152) }
```

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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