

Converting Colors

$Yxy(55.6535, 0.3025, 0.4098)$

Have a look what the booklet for
Yxy(55.6535, 0.3025, 0.4098)
contains.

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Color

Yxy(55.8509, 0.3021, 0.4102)

Conversions

Conversions Part 1

Format	Color
Hex	90D59A
RGB	144, 213, 154
RGB Percent	56%, 84%, 60%
CMY	0.4351, 0.1647, 0.3962
CMYK	0.32, 0.00, 0.28, 0.16
HSL	129°, 45%, 70%
HSV	129°, 32%, 84%
XYZ	41.1325, 55.8509, 39.1719
YIQ	185.6430, -22.1850, -32.9770

Conversions

Conversions Part 2

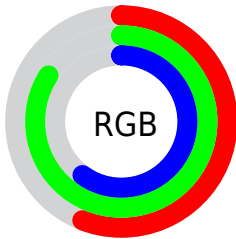
Format	Color
RYB	144, 204, 213
Decimal	9491866
CIELab	79.53, -33.56, 22.46
CIELCh	80, 40.387, 146.210
Yxy	55.8509, 0.3021, 0.4102
Android (android.graphics.Color)	4287681946 (0xFF90D59A)
YUV	185.6430, -15.6000, -36.5209
Hunter-Lab	74.7335, -32.5390, 21.2363

Details

The Yxy color **55.8509, 0.3021, 0.4102** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.4215, 0.3256, 0.2595**, and the grayscale version is **48.9960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4028, 0.3049, 0.3792**, and **27.6571, 0.2976, 0.4334** is the 20% darker color. If you saturate the color by 10%, you get **53.5501, 0.2991, 0.4407**, and if you desaturate by 10%, it is **58.6106, 0.3053, 0.3820**.

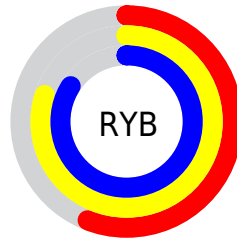
Distribution



Red (56%)

Green (84%)

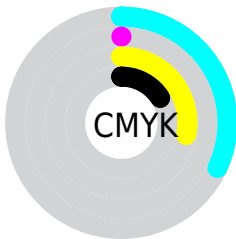
Blue (60%)



Red (56%)

Yellow (80%)

Blue (84%)

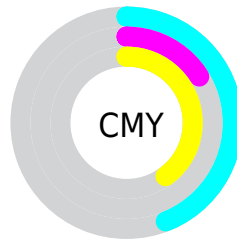


Cyan (32%)

Magenta (0%)

Yellow (28%)

Black (16%)



Cyan (44%)


Magenta (16%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8509, 0.3021, 0.4102 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 55.8509, 0.3021, 0.4102 by changing the saturation by 10% instead.


 55.8509, 0.3021,
0.4102

 55.8509, 0.3021,
0.4102


409.1294, 0.3083,
0.3689

 40.0834, 0.3003,
0.4207


 98.7865, 0.3045,
0.3950

 27.6036, 0.2978,
0.4343


 126.7235, 0.3054,
0.3894

 18.0270, 0.2942,
0.4524

159.4857, 0.3061,
0.3846

 10.9694, 0.2887,
0.4779

197.4575, 0.3067,
0.3806

 6.0463, 0.2794,
0.5161

241.0234, 0.3072,
0.3770

 2.8732, 0.2623,
0.5796

290.5678, 0.3076,

 1.0659, 0.1467,

0.3740

0.8533

346.4749, 0.3080,
0.3713

0.0000, 0.0000,
0.0000

55.8509, 0.3021,
0.4102

55.8509, 0.3021,
0.4102

53.5501, 0.2991,
0.4407

58.6106, 0.3053,
0.3820

51.6765, 0.2967,
0.4725

61.8447, 0.3087,
0.3565

50.2056, 0.2950,
0.5041

65.5768, 0.3120,
0.3339

49.1074, 0.2942,
0.5336

69.8268, 0.3151,
0.3142

48.3478, 0.2945,
0.5591

74.6135, 0.3181,
0.2970

■ 47.8861, 0.2958,
0.5786

■ 76.0676, 0.3146,
0.2881

■ 47.6848, 0.2970,
0.5892

Harmonies

Analogous

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



55.8509, 0.3543, 0.4257



55.8509, 0.3021, 0.4102



55.8509, 0.2552, 0.3657

Triad

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



55.8509, 0.3021, 0.4102



55.8509, 0.2312, 0.2480



55.8509, 0.4086, 0.3338

Complementary

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



55.8509, 0.3021, 0.4102



38.4215, 0.3256, 0.2595

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.



55.8509, 0.3699, 0.2941



55.8509, 0.3021, 0.4102



55.8509, 0.2661, 0.2465

Square

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



55.8509, 0.3021, 0.4102



55.8509, 0.2169, 0.2701



55.8509, 0.3164, 0.2631



55.8509, 0.4184, 0.3753

Rectangle

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



55.8509, 0.3021, 0.4102



55.8509, 0.2328, 0.3295



55.8509, 0.3164, 0.2631



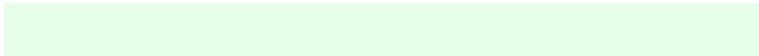
55.8509, 0.3984, 0.3200

Sweetspot

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



55.8532, 0.3021, 0.4102



94.1534, 0.3094, 0.3511



62.4124, 0.3538, 0.4114



19.9902, 0.3089, 0.3545



0.0000, 0.0000, 0.0000



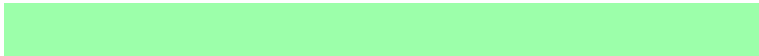
21.4041, 0.3127, 0.3290

Same Dimension

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



55.8532, 0.3021, 0.4102



81.4404, 0.3000, 0.4314



57.1396, 0.2814, 0.3626



13.9248, 0.3096, 0.3496



29.1377, 0.2965, 0.5876



1.7670, 0.2891, 0.5609

Inverse Universe

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



38.4215, 0.3256, 0.2595



51.2180, 0.3291, 0.2447



36.9833, 0.3595, 0.2981



12.6005, 0.3160, 0.3093



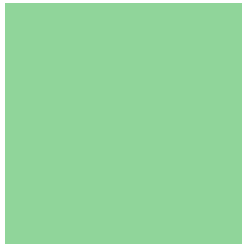
10.7242, 0.3607, 0.1761



0.6554, 0.3528, 0.1717

Previews

White Background



This preview shows how the Yxy color 55.8509, 0.3021, 0.4102 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 55.8509, 0.3021, 0.4102 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 55.8509, 0.3021, 0.4102

Background



This preview shows how black text looks on a background with the Yxy color 55.8509, 0.3021, 0.4102.

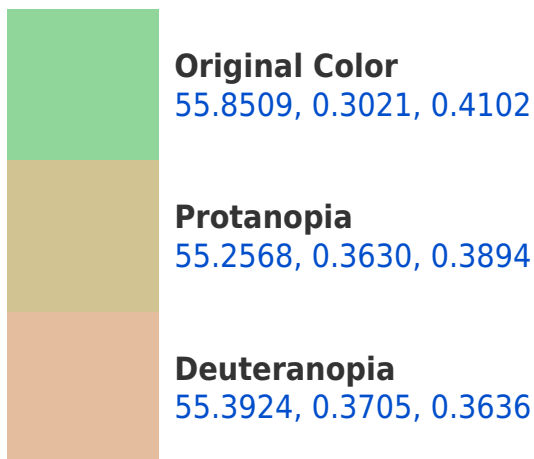


This preview shows how white text looks on a background with the Yxy color 55.8509, 0.3021, 0.4102.

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

55.5743, 0.2687, 0.3076

Trichromacy



Original Color

55.8509, 0.3021, 0.4102



Protanomaly

54.8501, 0.3386, 0.3969



Deuteranomaly

54.6928, 0.3427, 0.3802



Tritanomaly

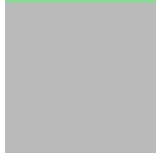
55.3323, 0.2802, 0.3420

Monochromacy



Original Color

55.8509, 0.3021, 0.4102



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

51.1938, 0.3090, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8509, 0.3021, 0.4102 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(144, 213, 154)` looks like.

```
.text, #text, p{  
    color:rgb(144, 213, 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(144, 213, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 213, 154) }
```

Border

The CSS property to change the border of an element to Yxy 55.8509, 0.3021, 0.4102 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(144, 213, 154) }
```

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

```
.border{ border-color:rgb(144, 213, 154) }
```

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

Here you see how a box with a 4 pixel rgb(144, 213, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 213, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 213, 154);  
box-shadow:4px 4px 4px 4px rgb(144, 213,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8509, 0.3021, 0.4102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 213, 154) }
```

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

```
.background{ background-color: rgb(144,  
213, 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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