

Converting Colors

$Yxy(55.8240, 0.3103, 0.4078)$

Have a look what the booklet for
Yxy(55.8240, 0.3103, 0.4078)
contains.

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Color

Yxy(55.8570, 0.3105, 0.4074)

Conversions

Conversions Part 1

Format	Color
Hex	9BD399
RGB	155, 211, 153
RGB Percent	61%, 83%, 60%
CMY	0.3919, 0.1726, 0.4000
CMYK	0.27, 0.00, 0.27, 0.17
HSL	118°, 40%, 71%
HSV	118°, 27%, 83%
XYZ	42.5714, 55.8570, 38.6776
YIQ	187.6440, -14.7580, -29.9100

Conversions

Conversions Part 2

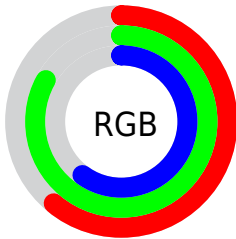
Format	Color
RYB	153, 211, 209
Decimal	10212249
CIELab	79.53, -29.22, 23.07
CIELCh	80, 37.228, 141.711
Yxy	55.8570, 0.3105, 0.4074
Android (android.graphics.Color)	4288402329 (0xFF9BD399)
YUV	187.6440, -17.0795, -28.6288
Hunter-Lab	74.7375, -29.1149, 21.6330

Details

The Yxy color **55.8570, 0.3105, 0.4074** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.0335, 0.3140, 0.2607**, and the grayscale version is **50.1905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9230, 0.3122, 0.3793**, and **27.5610, 0.3080, 0.4295** is the 20% darker color. If you saturate the color by 10%, you get **53.3749, 0.3093, 0.4415**, and if you desaturate by 10%, it is **58.8065, 0.3115, 0.3760**.

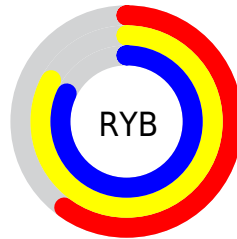
Distribution



Red (61%)

Green (83%)

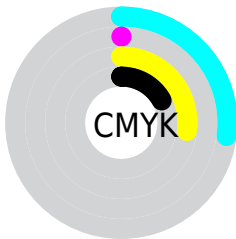
Blue (60%)



Red (60%)

Yellow (83%)

Blue (82%)

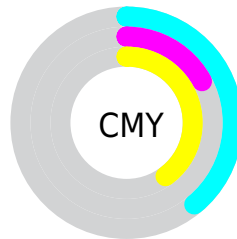


Cyan (27%)

Magenta (0%)

Yellow (27%)

Black (17%)



Cyan (39%)


Magenta (17%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8570, 0.3105, 0.4074 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 55.8570, 0.3105, 0.4074 by changing the saturation by 10% instead.

 55.8570, 0.3105,
0.4074

 55.8570, 0.3105,
0.4074


409.1524, 0.3125,
0.3677

 40.0883, 0.3097,
0.4174


 98.7955, 0.3115,
0.3929

 27.6074, 0.3085,
0.4304


 126.7340, 0.3117,
0.3874

 18.0299, 0.3066,
0.4477

159.4979, 0.3120,
0.3828

 10.9715, 0.3035,
0.4718

197.4717, 0.3121,
0.3789

 6.0476, 0.2976,
0.5078

241.0396, 0.3123,
0.3755

 2.8741, 0.2859,
0.5676

290.5861, 0.3124,


 1.0663, 0.2136,

0.3726


0.7864

346.4955, 0.3125,
0.3700

 0.0000, 0.0000,
0.0000

 55.8570, 0.3105,
0.4074

 55.8570, 0.3105,
0.4074


 53.3749, 0.3093,
0.4415


 58.8065, 0.3115,
0.3760


 51.3296, 0.3079,
0.4770


 62.2380, 0.3122,
0.3478


 49.6978, 0.3064,
0.5120

 66.1745, 0.3129,
0.3231

 48.4515, 0.3048,
0.5438

 70.6351, 0.3133,
0.3016

 47.5589, 0.3032,
0.5699

 75.0640, 0.3147,
0.2861

■ 46.9832, 0.3018,
0.5881

■ 46.6783, 0.3007,
0.5978

■ 46.6323, 0.3006,
0.5995

Harmonies

Analogous

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



55.8570, 0.3583, 0.4175



55.8570, 0.3105, 0.4074



55.8570, 0.2654, 0.3699

Triad

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



55.8570, 0.3105, 0.4074



55.8570, 0.2338, 0.2558



55.8570, 0.3971, 0.3280

Complementary

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



55.8570, 0.3105, 0.4074



41.0335, 0.3140, 0.2607

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.



55.8570, 0.3586, 0.2917



55.8570, 0.3105, 0.4074



55.8570, 0.2637, 0.2514

Square

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



55.8570, 0.3105, 0.4074



55.8570, 0.2235, 0.2796



55.8570, 0.3088, 0.2645



55.8570, 0.4107, 0.3669

Rectangle

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



55.8570, 0.3105, 0.4074



55.8570, 0.2427, 0.3372



55.8570, 0.3088, 0.2645



55.8570, 0.3865, 0.3153

Sweetspot

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



55.8594, 0.3105, 0.4074



95.2125, 0.3122, 0.3494



61.3042, 0.3548, 0.3941



20.1989, 0.3121, 0.3535



0.0000, 0.0000, 0.0000



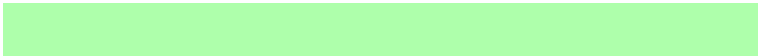
21.4041, 0.3127, 0.3290

Same Dimension

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



55.8594, 0.3105, 0.4074



83.4345, 0.3098, 0.4272



56.6159, 0.2924, 0.3713



13.2260, 0.3121, 0.3530



28.1547, 0.3008, 0.5993



1.5814, 0.3036, 0.5971

Inverse Universe

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



41.0335, 0.3140, 0.2607



56.9870, 0.3142, 0.2462



40.1313, 0.3400, 0.2903



11.9868, 0.3132, 0.3061



10.5539, 0.3121, 0.1493



0.5969, 0.3138, 0.1503

Previews

White Background



This preview shows how the Yxy color 55.8570, 0.3105, 0.4074 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 55.8570, 0.3105, 0.4074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

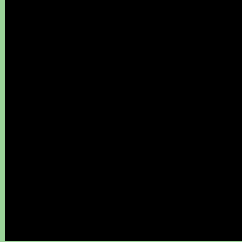
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.8570, 0.3105, 0.4074

Background



This preview shows how black text looks on a background with the Yxy color 55.8570, 0.3105, 0.4074.



This preview shows how white text looks on a background with the Yxy color 55.8570, 0.3105, 0.4074.

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

55.8570, 0.3105, 0.4074

Protanopia

55.2568, 0.3630, 0.3894

Deuteranopia

55.5218, 0.3722, 0.3646



Tritanopia

55.5710, 0.2761, 0.3078

Trichromacy



Original Color

55.8570, 0.3105, 0.4074



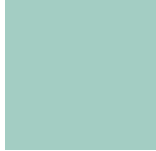
Protanomaly

54.8904, 0.3422, 0.3950



Deuteranomaly

54.8894, 0.3480, 0.3796



Tritanomaly

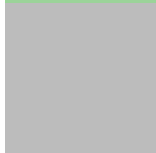
55.3893, 0.2887, 0.3418

Monochromacy



Original Color

55.8570, 0.3105, 0.4074



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

51.8051, 0.3122, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8570, 0.3105, 0.4074 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(155, 211, 153)` looks like.

```
.text, #text, p{  
    color:rgb(155, 211, 153)  
}
```

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(155, 211, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 211, 153) }
```

Border

The CSS property to change the border of an element to Yxy 55.8570, 0.3105, 0.4074 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(155, 211, 153) }
```

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

```
.border{ border-color:rgb(155, 211, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 211, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 211, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 211, 153); box-shadow:4px 4px 4px 4px rgb(155, 211, 153) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8570, 0.3105, 0.4074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 211, 153) }
```

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

```
.background{ background-color: rgb(155,  
211, 153) }
```

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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