

Converting Colors

$Yxy(63.8087, 0.2958, 0.3851)$

Have a look what the booklet for
Yxy(63.8087, 0.2958, 0.3851)
contains.

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Color

Yxy(63.8757, 0.2955, 0.3853)

Conversions

Conversions Part 1

Format	Color
Hex	9EE0B4
RGB	158, 224, 180
RGB Percent	62%, 88%, 71%
CMY	0.3805, 0.1215, 0.2942
CMYK	0.29, 0.00, 0.20, 0.12
HSL	140°, 52%, 75%
HSV	140°, 29%, 88%
XYZ	48.9885, 63.8757, 52.9175
YIQ	199.2500, -25.2120, -27.6760

Conversions

Conversions Part 2

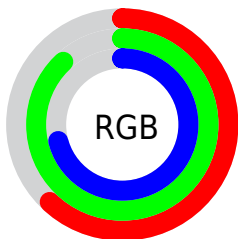
Format	Color
RYB	158, 208, 224
Decimal	10412212
CIELab	83.90, -29.72, 15.00
CIElCh	84, 33.291, 153.223
Yxy	63.8757, 0.2955, 0.3853
Android (android.graphics.Color)	4288602292 (0xFF9EE0B4)
YUV	199.2500, -9.4902, -36.1763
Hunter-Lab	79.9223, -30.4521, 16.6889

Details

The Yxy color **63.8757, 0.2955, 0.3853** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.5573, 0.3355, 0.2788**, and the grayscale version is **57.3421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8723, 0.2985, 0.3487**, and **32.5408, 0.2910, 0.4002** is the 20% darker color. If you saturate the color by 10%, you get **61.2343, 0.2904, 0.4085**, and if you desaturate by 10%, it is **67.0020, 0.3011, 0.3641**.

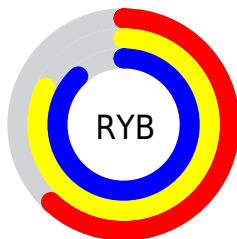
Distribution



Red (62%)

Green (88%)

Blue (71%)



Red (62%)

Yellow (82%)

Blue (88%)

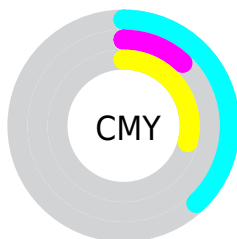


Cyan (29%)

Magenta (0%)

Yellow (20%)

Black (12%)



Cyan (38%)


Magenta (12%)

Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8757, 0.2955, 0.3853 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 63.8757, 0.2955, 0.3853 by changing the saturation by 10% instead.

 63.8757, 0.2955,
0.3853

 63.8757, 0.2955,
0.3853


438.7406, 0.3042,
0.3576

 46.5500, 0.2933,
0.3921


 110.4319, 0.2987,
0.3753

 32.6801, 0.2905,
0.4007


 140.4312, 0.2998,
0.3716

 21.8815, 0.2868,
0.4121

175.4238, 0.3008,
0.3683

 13.7698, 0.2816,
0.4276

215.7942, 0.3017,
0.3656

 7.9608, 0.2739,
0.4502

261.9266, 0.3024,
0.3632

 4.0698, 0.2613,
0.4858

314.2056, 0.3031,

 1.7127, 0.2396,

0.3611

373.0155, 0.3037,
0.3592

0.5566

0.4319, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.8757, 0.2955,
0.3853

63.8757, 0.2955,
0.3853

61.2343, 0.2904,
0.4085

67.0020, 0.3011,
0.3641

59.0452, 0.2862,
0.4332


70.6281, 0.3070,
0.3451

57.2843, 0.2831,
0.4590


74.7778, 0.3130,
0.3282


55.9218, 0.2816,
0.4849


79.4713, 0.3189,
0.3133


 54.9239, 0.2817,
0.5099

 81.7754, 0.3143,
0.2993

 54.2511, 0.2836,
0.5327

 81.7976, 0.3141,
0.2990

 53.8391, 0.2869,
0.5525

 53.8210, 0.2871,
0.5534

Harmonies

Analogous

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



63.8757, 0.3371, 0.4038



63.8757, 0.2955, 0.3853



63.8757, 0.2601, 0.3482

Triad

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



63.8757, 0.2955, 0.3853



63.8757, 0.2526, 0.2624



63.8757, 0.3921, 0.3418

Complementary

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



63.8757, 0.2955, 0.3853



44.5573, 0.3355, 0.2788

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.



63.8757, 0.3665, 0.3085



63.8757, 0.2955, 0.3853



63.8757, 0.2845, 0.2643

Square

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



63.8757, 0.2955, 0.3853



63.8757, 0.2367, 0.2770



63.8757, 0.3262, 0.2809



63.8757, 0.3945, 0.3745

Rectangle

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



63.8757, 0.2955, 0.3853



63.8757, 0.2443, 0.3206



63.8757, 0.3262, 0.2809



63.8757, 0.3859, 0.3305

Sweetspot

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



63.8784, 0.2955, 0.3853



94.9576, 0.3073, 0.3443



68.4956, 0.3411, 0.4065



20.1621, 0.3064, 0.3470



0.0000, 0.0000, 0.0000



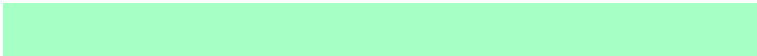
21.4041, 0.3127, 0.3290

Same Dimension

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



63.8784, 0.2955, 0.3853



83.5627, 0.2925, 0.3984



65.3324, 0.2769, 0.3438



15.4122, 0.3071, 0.3450



31.3432, 0.2863, 0.5507



2.1888, 0.2776, 0.5192

Inverse Universe

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



44.5573, 0.3355, 0.2788



53.8916, 0.3413, 0.2687



43.1983, 0.3661, 0.3149



13.8539, 0.3189, 0.3135



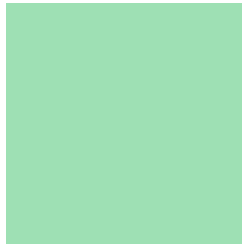
10.5158, 0.4269, 0.2125



0.7453, 0.4065, 0.2013

Previews

White Background



This preview shows how the Yxy color 63.8757, 0.2955, 0.3853 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 63.8757, 0.2955, 0.3853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

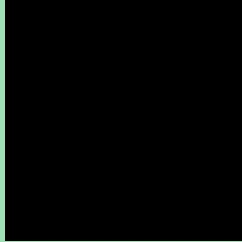
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.8757, 0.2955, 0.3853

Background



This preview shows how black text looks on a background with the Yxy color 63.8757, 0.2955, 0.3853.

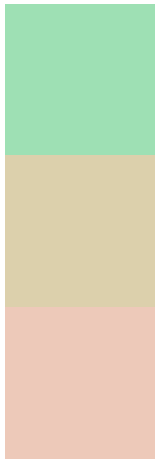


This preview shows how white text looks on a background with the Yxy color 63.8757, 0.2955, 0.3853.

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

63.8757, 0.2955, 0.3853

Protanopia

63.3060, 0.3482, 0.3703

Deuteranopia

63.2806, 0.3537, 0.3466



Tritanopia

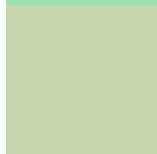
64.0012, 0.2703, 0.3088

Trichromacy



Original Color

63.8757, 0.2955, 0.3853



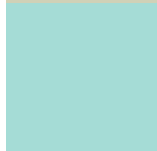
Protanomaly

63.0586, 0.3268, 0.3760



Deuteranomaly

62.4297, 0.3304, 0.3596



Tritanomaly

64.0408, 0.2796, 0.3362

Monochromacy



Original Color

63.8757, 0.2955, 0.3853



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

59.1079, 0.3058, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8757, 0.2955, 0.3853 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(158, 224, 180)` looks like.

```
.text, #text, p{  
    color:rgb(158, 224, 180)  
}
```

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(158, 224, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 224, 180) }
```

Border

The CSS property to change the border of an element to Yxy 63.8757, 0.2955, 0.3853 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(158, 224, 180) }
```

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

```
.border{ border-color:rgb(158, 224, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 224, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 224, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 224, 180);  
box-shadow:4px 4px 4px 4px rgb(158, 224,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8757, 0.2955, 0.3853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 224, 180) }
```

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

```
.background{ background-color: rgb(158,  
224, 180) }
```

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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