

Converting Colors

$Yxy(63.9853, 0.2915, 0.3653)$

Have a look what the booklet for
Yxy(63.9853, 0.2915, 0.3653)
contains.

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Color

Yxy(63.9853, 0.2915, 0.3653)

Conversions

Conversions Part 1

Format	Color
Hex	A4DEC1
RGB	164, 222, 193
RGB Percent	64%, 87%, 76%
CMY	0.3568, 0.1294, 0.2431
CMYK	0.26, 0.00, 0.13, 0.13
HSL	150°, 47%, 76%
HSV	150°, 26%, 87%
XYZ	51.0586, 63.9853, 60.1143
YIQ	201.3520, -25.2590, -21.3150

Conversions

Conversions Part 2

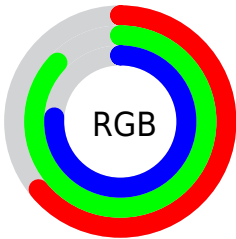
Format	Color
RYB	164, 203, 222
Decimal	10804929
CIELab	83.96, -24.40, 8.27
CIELCh	84, 25.761, 161.277
Yxy	63.9853, 0.2915, 0.3653
Android (android.graphics.Color)	4288995009 (0xFFA4DEC1)
YUV	201.3520, -4.1175, -32.7577
Hunter-Lab	79.9908, -26.0463, 11.4362

Details

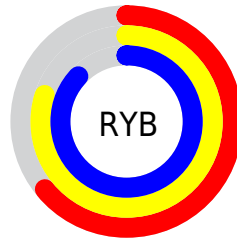
The Yxy color **63.9853, 0.2915, 0.3653** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.9354, 0.3410, 0.2954**, and the grayscale version is **58.6790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5752, 0.2949, 0.3350**, and **32.8810, 0.2865, 0.3763** is the 20% darker color. If you saturate the color by 10%, you get **61.3513, 0.2843, 0.3818**, and if you desaturate by 10%, it is **67.0741, 0.2994, 0.3502**.

Distribution



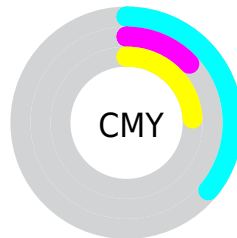
- Red (64%)
- Green (87%)
- Blue (76%)



- Red (64%)
- Yellow (80%)
- Blue (87%)



- Cyan (26%)
- Magenta (0%)
- Yellow (13%)
- Black (13%)





- Cyan (36%)
- Magenta (13%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9853, 0.2915, 0.3653 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 63.9853, 0.2915, 0.3653 by changing the saturation by 10% instead.


 63.9853, 0.2915,
0.3653


 63.9853, 0.2915,
0.3653


439.1366, 0.3018,
0.3477

 46.6388, 0.2890,
0.3696


 110.5898, 0.2952,
0.3590

 32.7502, 0.2859,
0.3750


 140.6165, 0.2965,
0.3566

 21.9351, 0.2819,
0.3820


175.6387, 0.2977,
0.3546

 13.8092, 0.2764,
0.3916

216.0409, 0.2988,
0.3528

 7.9881, 0.2686,
0.4053

262.2074, 0.2997,
0.3513

 4.0873, 0.2565,
0.4268

314.5225, 0.3004,

 1.7225, 0.2356,

0.3499

0.4646

373.3708, 0.3011,
0.3487

0.4382, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.9853, 0.2915,
0.3653

63.9853, 0.2915,
0.3653

61.3513, 0.2843,
0.3818

67.0741, 0.2994,
0.3502

59.1419, 0.2781,
0.3997


70.6303, 0.3076,
0.3366


57.3355, 0.2732,
0.4186


74.6760, 0.3160,
0.3245

55.9054, 0.2699,
0.4382


79.2293, 0.3243,
0.3137


 54.8216, 0.2685,
0.4580

 80.3125, 0.3185,
0.3031

 54.0489, 0.2691,
0.4774

 80.7237, 0.3142,
0.2970

 53.5441, 0.2717,
0.4958

 53.3914, 0.2730,
0.5027

Harmonies

Analogous

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



63.9853, 0.3235, 0.3840



63.9853, 0.2915, 0.3653



63.9853, 0.2661, 0.3356

Triad

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



63.9853, 0.2915, 0.3653



63.9853, 0.2715, 0.2758



63.9853, 0.3763, 0.3470

Complementary

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



63.9853, 0.2915, 0.3653



45.9354, 0.3410, 0.2954

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.



63.9853, 0.3610, 0.3201



63.9853, 0.2915, 0.3653



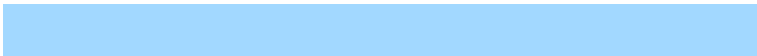
63.9853, 0.2993, 0.2804

Square

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



63.9853, 0.2915, 0.3653



63.9853, 0.2550, 0.2844



63.9853, 0.3323, 0.2963



63.9853, 0.3734, 0.3711

Rectangle

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



63.9853, 0.2915, 0.3653



63.9853, 0.2558, 0.3150



63.9853, 0.3323, 0.2963



63.9853, 0.3731, 0.3380

Sweetspot

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



63.9880, 0.2915, 0.3653



95.6945, 0.3060, 0.3391



66.2628, 0.3300, 0.3989



20.3197, 0.3047, 0.3411



0.0000, 0.0000, 0.0000



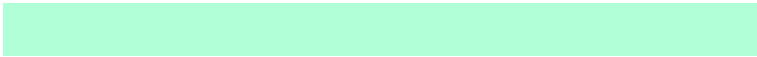
21.4041, 0.3127, 0.3290

Same Dimension

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



63.9880, 0.2915, 0.3653



85.6750, 0.2877, 0.3736



65.4114, 0.2746, 0.3289



15.4510, 0.3048, 0.3410



31.7352, 0.2723, 0.5001



2.2178, 0.2644, 0.4719

Inverse Universe

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



45.9354, 0.3410, 0.2954



57.2218, 0.3483, 0.2885



44.7656, 0.3684, 0.3292



13.8143, 0.3214, 0.3173



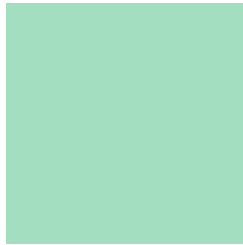
9.9284, 0.4952, 0.2502



0.7063, 0.4611, 0.2314

Previews

White Background



This preview shows how the Yxy color 63.9853, 0.2915, 0.3653 looks on a white background.

Color Contrast Check

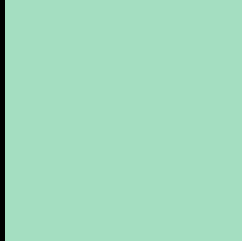
Large Text (above 18pt) WCAG AA × Fail

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 63.9853, 0.2915, 0.3653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

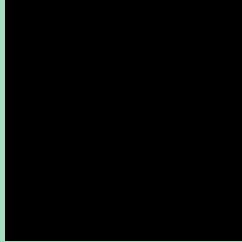
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

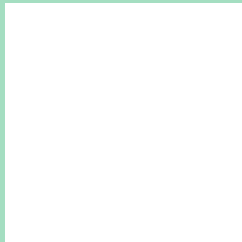
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.9853, 0.2915, 0.3653

Background



This preview shows how black text looks on a background with the Yxy color 63.9853, 0.2915, 0.3653.

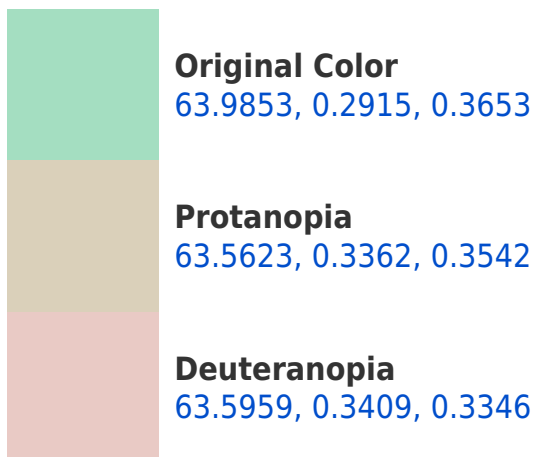


This preview shows how white text looks on a background with the Yxy color 63.9853, 0.2915, 0.3653.

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

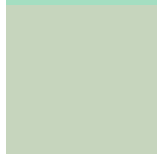
63.8229, 0.2720, 0.3077

Trichromacy



Original Color

63.9853, 0.2915, 0.3653



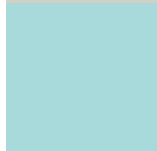
Protanomaly

63.2684, 0.3180, 0.3576



Deuteranomaly

62.9963, 0.3211, 0.3441



Tritanomaly

63.6923, 0.2790, 0.3277

Monochromacy



Original Color

63.9853, 0.2915, 0.3653



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.3695, 0.3047, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9853, 0.2915, 0.3653 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(164, 222, 193)` looks like.

```
.text, #text, p{  
    color:rgb(164, 222, 193)  
}
```

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(164, 222, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 222, 193) }
```

Border

The CSS property to change the border of an element to Yxy 63.9853, 0.2915, 0.3653 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(164, 222, 193) }
```

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

```
.border{ border-color:rgb(164, 222, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 222, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 222, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 222, 193); box-shadow:4px 4px 4px 4px rgb(164, 222, 193) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9853, 0.2915, 0.3653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 222, 193) }
```

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

```
.background{ background-color: rgb(164,  
222, 193) }
```

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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