

Converting Colors

$Yxy(64.5474, 0.2938, 0.3661)$

Have a look what the booklet for
Yxy(64.5474, 0.2938, 0.3661)
contains.

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Color

Yxy(64.3083, 0.2934, 0.3651)

Conversions

Conversions Part 1

Format	Color
Hex	A7DEC1
RGB	167, 222, 193
RGB Percent	65%, 87%, 76%
CMY	0.3452, 0.1294, 0.2431
CMYK	0.25, 0.00, 0.13, 0.13
HSL	148°, 45%, 76%
HSV	148°, 25%, 87%
XYZ	51.6791, 64.3083, 60.1514
YIQ	202.2490, -23.4710, -20.6790

Conversions

Conversions Part 2

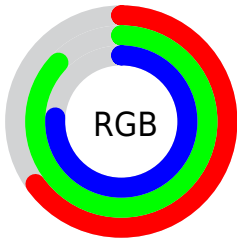
Format	Color
RYB	167, 204, 222
Decimal	11001537
CIELab	84.13, -23.48, 8.52
CIELCh	84, 24.981, 160.047
Yxy	64.3083, 0.2934, 0.3651
Android (android.graphics.Color)	4289191617 (0xFFA7DEC1)
YUV	202.2490, -4.5598, -30.9134
Hunter-Lab	80.1925, -25.3044, 11.6620

Details

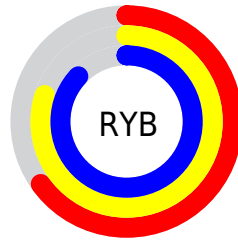
The Yxy color **64.3083, 0.2934, 0.3651** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.1395, 0.3379, 0.2956**, and the grayscale version is **59.2642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0475, 0.2967, 0.3350**, and **33.0789, 0.2889, 0.3760** is the 20% darker color. If you saturate the color by 10%, you get **61.5961, 0.2864, 0.3824**, and if you desaturate by 10%, it is **67.4821, 0.3010, 0.3494**.

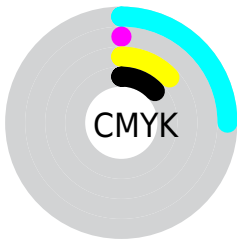
Distribution



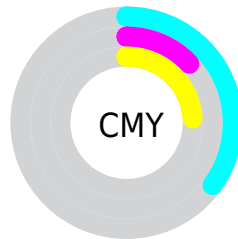
- Red (65%)
- Green (87%)
- Blue (76%)



- Red (65%)
- Yellow (80%)
- Blue (87%)



- Cyan (25%)
- Magenta (0%)
- Yellow (13%)
- Black (13%)




- Cyan (35%)
- Magenta (13%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3083, 0.2934, 0.3651 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 64.3083, 0.2934, 0.3651 by changing the saturation by 10% instead.

 64.3083, 0.2934,
0.3651


 64.3083, 0.2934,
0.3651


440.3021, 0.3028,
0.3476

 46.9004, 0.2912,
0.3693


 111.0548, 0.2967,
0.3588

 32.9569, 0.2883,
0.3747


 141.1623, 0.2980,
0.3565

 22.0935, 0.2846,
0.3817


176.2717, 0.2991,
0.3544

 13.9256, 0.2796,
0.3912

216.7674, 0.3000,
0.3527

 8.0689, 0.2724,
0.4048

263.0340, 0.3008,
0.3512

 4.1391, 0.2614,
0.4260

315.4557, 0.3016,

 1.7517, 0.2421,

0.3498

0.4633

374.4169, 0.3022,
0.3486

0.4568, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.3083, 0.2934,
0.3651

64.3083, 0.2934,
0.3651

61.5961, 0.2864,
0.3824

67.4821, 0.3010,
0.3494

59.3154, 0.2803,
0.4011


71.1302, 0.3089,
0.3352

57.4448, 0.2754,
0.4210


75.2745, 0.3169,
0.3226

55.9577, 0.2721,
0.4416


79.7870, 0.3243,
0.3115


 54.8245, 0.2707,
0.4624

 80.5037, 0.3165,
0.3003

 54.0108, 0.2712,
0.4828

 80.7281, 0.3142,
0.2970

 53.4746, 0.2737,
0.5021

 53.2697, 0.2755,
0.5117

Harmonies

Analogous

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



64.3083, 0.3245, 0.3826



64.3083, 0.2934, 0.3651



64.3083, 0.2683, 0.3367

Triad

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



64.3083, 0.2934, 0.3651



64.3083, 0.2718, 0.2775



64.3083, 0.3740, 0.3455

Complementary

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



64.3083, 0.2934, 0.3651



47.1395, 0.3379, 0.2956

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.



64.3083, 0.3585, 0.3194



64.3083, 0.2934, 0.3651



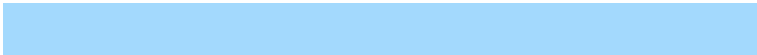
64.3083, 0.2985, 0.2815

Square

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



64.3083, 0.2934, 0.3651



64.3083, 0.2564, 0.2864



64.3083, 0.3304, 0.2965



64.3083, 0.3719, 0.3690

Rectangle

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



64.3083, 0.2934, 0.3651



64.3083, 0.2580, 0.3167



64.3083, 0.3304, 0.2965



64.3083, 0.3706, 0.3368

Sweetspot

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



64.3110, 0.2934, 0.3651



96.1796, 0.3071, 0.3383



66.8160, 0.3305, 0.3948



20.5193, 0.3066, 0.3391



0.0000, 0.0000, 0.0000



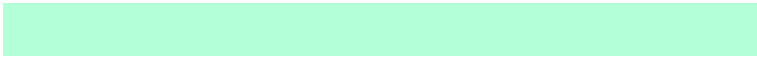
21.4041, 0.3127, 0.3290

Same Dimension

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



64.3110, 0.2934, 0.3651



85.9356, 0.2895, 0.3743



65.6365, 0.2774, 0.3311



15.4447, 0.3052, 0.3416



31.6599, 0.2747, 0.5090



2.2125, 0.2666, 0.4798

Inverse Universe

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



47.1395, 0.3379, 0.2956



58.4036, 0.3451, 0.2879



46.0131, 0.3630, 0.3270



13.8206, 0.3210, 0.3167



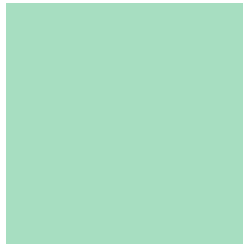
10.0087, 0.4839, 0.2440



0.7118, 0.4520, 0.2263

Previews

White Background



This preview shows how the Yxy color 64.3083, 0.2934, 0.3651 looks on a white background.

Color Contrast Check

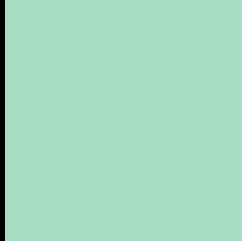
Large Text (above 18pt) WCAG AA × Fail

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 64.3083, 0.2934, 0.3651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

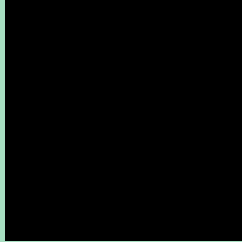
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

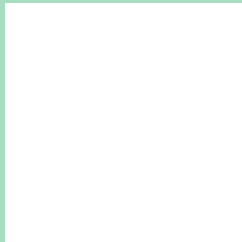
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.3083, 0.2934, 0.3651

Background



This preview shows how black text looks on a background with the Yxy color 64.3083, 0.2934, 0.3651.

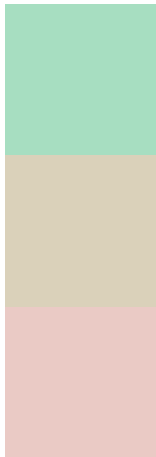


This preview shows how white text looks on a background with the Yxy color 64.3083, 0.2934, 0.3651.

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

64.3083, 0.2934, 0.3651

Protanopia

64.0515, 0.3361, 0.3553

Deuteranopia

63.7647, 0.3417, 0.3346



Tritanopia

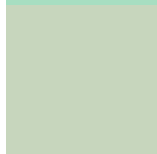
64.1662, 0.2738, 0.3078

Trichromacy



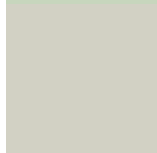
Original Color

64.3083, 0.2934, 0.3651



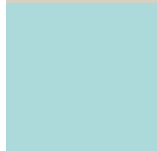
Protanomaly

63.9094, 0.3187, 0.3587



Deuteranomaly

63.2881, 0.3226, 0.3441



Tritanomaly

64.0279, 0.2808, 0.3277

Monochromacy



Original Color

64.3083, 0.2934, 0.3651



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

60.5433, 0.3048, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3083, 0.2934, 0.3651 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(167, 222, 193)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 222, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 222, 193) }
```

Border

The CSS property to change the border of an element to Yxy 64.3083, 0.2934, 0.3651 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(167, 222, 193) }
```

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

```
.border{ border-color:rgb(167, 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(167, 222, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 222, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 222, 193);  
box-shadow:4px 4px 4px 4px rgb(167, 222,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3083, 0.2934, 0.3651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 222, 193) }
```

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

```
.background{ background-color: rgb(167,  
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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