

Converting Colors

$Yxy(66.5964, 0.2986, 0.3795)$

Have a look what the booklet for
Yxy(66.5964, 0.2986, 0.3795)
contains.

Yxy(66.8082, 0.2984, 0.3799)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(66.8082, 0.2984, 0.3799)

Conversions

Conversions Part 1

Format	Color
Hex	A8E3BA
RGB	168, 227, 186
RGB Percent	66%, 89%, 73%
CMY	0.3412, 0.1098, 0.2707
CMYK	0.26, 0.00, 0.18, 0.11
HSL	138°, 51%, 77%
HSV	138°, 26%, 89%
XYZ	52.4758, 66.8082, 56.5733
YIQ	204.6850, -22.0030, -25.2590

Conversions

Conversions Part 2

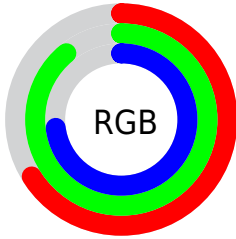
Format	Color
RYB	168, 213, 227
Decimal	11068346
CIELab	85.41, -26.92, 14.05
CIELCh	85, 30.365, 152.430
Yxy	66.8082, 0.2984, 0.3799
Android (android.graphics.Color)	4289258426 (0xFFA8E3BA)
YUV	204.6850, -9.2117, -32.1727
Hunter-Lab	81.7363, -28.4390, 16.1782

Details

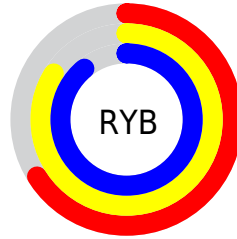
The Yxy color **66.8082, 0.2984, 0.3799** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.9352, 0.3308, 0.2831**, and the grayscale version is **60.9083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7781, 0.3011, 0.3422**, and **34.4641, 0.2946, 0.3925** is the 20% darker color. If you saturate the color by 10%, you get **63.8990, 0.2934, 0.4034**, and if you desaturate by 10%, it is **70.2320, 0.3038, 0.3585**.

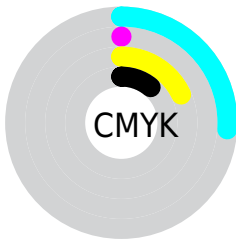
Distribution



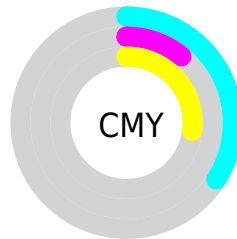
- Red (66%)
- Green (89%)
- Blue (73%)



- Red (66%)
- Yellow (84%)
- Blue (89%)



- Cyan (26%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)



- Cyan (34%)
- Magenta (11%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8082, 0.2984, 0.3799 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 66.8082, 0.2984, 0.3799 by changing the saturation by 10% instead.

66.8082, 0.2984,
0.3799

66.8082, 0.2984,
0.3799

449.2618, 0.3056,
0.3551

48.9288, 0.2966,
0.3859

114.6455, 0.3010,
0.3710

34.5630, 0.2943,
0.3935

145.3722, 0.3020,
0.3677

23.3264, 0.2913,
0.4034

181.1502, 0.3028,
0.3648

14.8347, 0.2872,
0.4168

222.3637, 0.3035,
0.3623

8.7035, 0.2810,
0.4361

269.3972, 0.3041,
0.3602

4.5483, 0.2712,
0.4660

322.6351, 0.3047,

1.9847, 0.2533,

0.3583

0.5183

382.4618, 0.3051,
0.3566

0.5986, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.8082, 0.2984,
0.3799

66.8082, 0.2984,
0.3799

63.8990, 0.2934,
0.4034

70.2320, 0.3038,
0.3585

61.4711, 0.2891,
0.4288

74.1852, 0.3094,
0.3394

59.4999, 0.2859,
0.4554

78.6925, 0.3149,
0.3225

57.9557, 0.2839,
0.4823

83.0492, 0.3178,
0.3075

■ 56.8047, 0.2836,
0.5085

■ 83.4237, 0.3140,
0.3019

■ 56.0079, 0.2849,
0.5325

■ 55.5176, 0.2878,
0.5533

■ 55.3761, 0.2891,
0.5606

Harmonies

Analogous

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



66.8082, 0.3359, 0.3961



66.8082, 0.2984, 0.3799



66.8082, 0.2661, 0.3473

Triad

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



66.8082, 0.2984, 0.3799



66.8082, 0.2579, 0.2689



66.8082, 0.3836, 0.3402

Complementary

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



66.8082, 0.2984, 0.3799



48.9352, 0.3308, 0.2831

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.



66.8082, 0.3602, 0.3098



66.8082, 0.2984, 0.3799



66.8082, 0.2865, 0.2701

Square

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



66.8082, 0.2984, 0.3799



66.8082, 0.2438, 0.2829



66.8082, 0.3239, 0.2849



66.8082, 0.3864, 0.3698

Rectangle

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



66.8082, 0.2984, 0.3799



66.8082, 0.2513, 0.3227



66.8082, 0.3239, 0.2849



66.8082, 0.3778, 0.3298

Sweetspot

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



66.8110, 0.2984, 0.3799



95.4543, 0.3082, 0.3431



71.3695, 0.3386, 0.3967



20.2594, 0.3074, 0.3460



0.0000, 0.0000, 0.0000



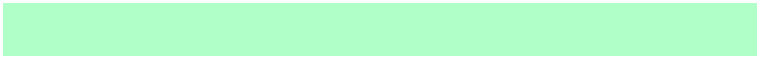
21.4041, 0.3127, 0.3290

Same Dimension

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



66.8110, 0.2984, 0.3799



84.9170, 0.2957, 0.3919



68.1834, 0.2813, 0.3431



16.1612, 0.3074, 0.3458



32.3106, 0.2883, 0.5580



2.4037, 0.2802, 0.5286

Inverse Universe

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



48.9352, 0.3308, 0.2831



58.0546, 0.3354, 0.2736



47.6179, 0.3571, 0.3155



14.5364, 0.3184, 0.3128



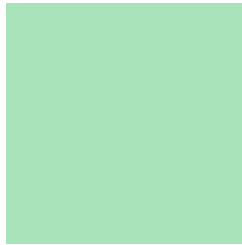
10.9811, 0.4162, 0.2066



0.8278, 0.3989, 0.1971

Previews

White Background



This preview shows how the Yxy color 66.8082, 0.2984, 0.3799 looks on a white background.

Color Contrast Check

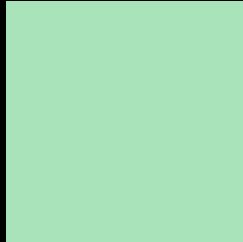
Large Text (above 18pt) WCAG AA × Fail

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 66.8082, 0.2984, 0.3799 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

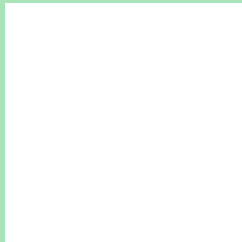
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.8082, 0.2984, 0.3799

Background



This preview shows how black text looks on a background with the Yxy color 66.8082, 0.2984, 0.3799.

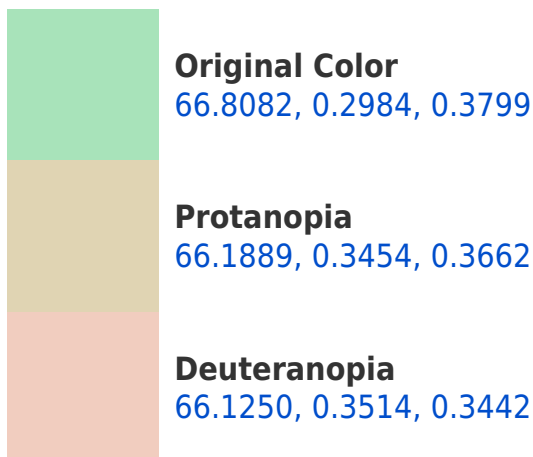


This preview shows how white text looks on a background with the Yxy color 66.8082, 0.2984, 0.3799.

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

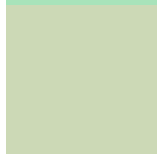
66.7658, 0.2744, 0.3093

Trichromacy



Original Color

66.8082, 0.2984, 0.3799



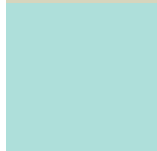
Protanomaly

65.8405, 0.3269, 0.3701



Deuteranomaly

65.5588, 0.3302, 0.3566



Tritanomaly

66.8360, 0.2831, 0.3349

Monochromacy



Original Color

66.8082, 0.2984, 0.3799



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

62.8722, 0.3075, 0.3469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8082, 0.2984, 0.3799 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(168, 227, 186)` looks like.

```
.text, #text, p{  
    color:rgb(168, 227, 186)  
}
```

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(168, 227, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 227, 186) }
```

Border

The CSS property to change the border of an element to Yxy 66.8082, 0.2984, 0.3799 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(168, 227, 186) }
```

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

```
.border{ border-color:rgb(168, 227, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 227, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 227, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 227, 186);  
box-shadow:4px 4px 4px 4px rgb(168, 227,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8082, 0.2984, 0.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 227, 186) }
```

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

```
.background{ background-color: rgb(168,  
227, 186) }
```

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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