

Converting Colors

$Yxy(68.1709, 0.2812, 0.3506)$

Have a look what the booklet for
Yxy(68.1709, 0.2812, 0.3506)
contains.

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Color

Yxy(67.9765, 0.2808, 0.3496)

Conversions

Conversions Part 1

Format	Color
Hex	A3E4D3
RGB	163, 228, 211
RGB Percent	64%, 89%, 83%
CMY	0.3609, 0.1058, 0.1726
CMYK	0.29, 0.00, 0.07, 0.11
HSL	164°, 55%, 77%
HSV	164°, 29%, 89%
XYZ	54.5990, 67.9765, 71.8653
YIQ	206.6270, -33.2830, -19.0670

Conversions

Conversions Part 2

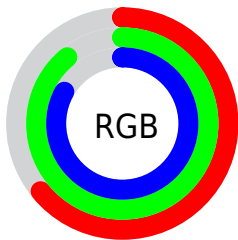
Format	Color
RYB	163, 200, 228
Decimal	10740947
CIELab	85.99, -23.99, 1.72
CIElCh	86, 24.053, 175.901
Yxy	67.9765, 0.2808, 0.3496
Android (android.graphics.Color)	4288931027 (0xFFA3E4D3)
YUV	206.6270, 2.1559, -38.2609
Hunter-Lab	82.4479, -26.0767, 6.0336

Details

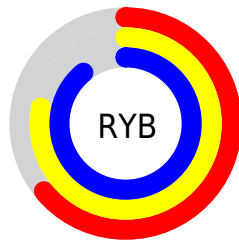
The Yxy color **67.9765, 0.2808, 0.3496** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.9727, 0.3590, 0.3095**, and the grayscale version is **62.1430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **35.1906, 0.2726, 0.3533** is the 20% darker color. If you saturate the color by 10%, you get **65.4924, 0.2712, 0.3581**, and if you desaturate by 10%, it is **70.9111, 0.2914, 0.3418**.

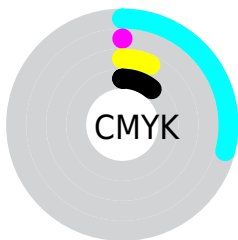
Distribution



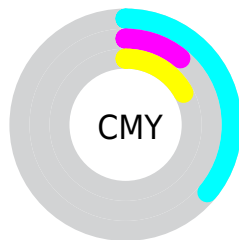
- Red (64%)
- Green (89%)
- Blue (83%)



- Red (64%)
- Yellow (78%)
- Blue (89%)



- Cyan (29%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)




- Cyan (36%)
- Magenta (11%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9765, 0.2808, 0.3496 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 67.9765, 0.2808, 0.3496 by changing the saturation by 10% instead.


 67.9765, 0.2808,
0.3496


 67.9765, 0.2808,
0.3496


453.4127, 0.2958,
0.3399

 49.8786, 0.2773,
0.3519

 116.3185, 0.2860,
0.3462

 35.3170, 0.2730,
0.3547

 147.3315, 0.2881,
0.3449

 23.9071, 0.2675,
0.3583

183.4182, 0.2898,
0.3438

 15.2647, 0.2603,
0.3631

224.9631, 0.2913,
0.3428

 9.0054, 0.2503,
0.3698

272.3507, 0.2926,
0.3419

 4.7447, 0.2356,
0.3797


325.9652, 0.2938,

 2.0983, 0.2121,

0.3412


0.3959


386.1911, 0.2948,
0.3405


 0.6636, 0.0344,
0.5061


 0.0000, 0.0000,
0.0000


 67.9765, 0.2808,
0.3496


 67.9765, 0.2808,
0.3496


 65.4924, 0.2712,
0.3581


 70.9111, 0.2914,
0.3418

 63.4271, 0.2630,
0.3671


 74.3096, 0.3027,
0.3346

 61.7576, 0.2564,
0.3765

 78.1950, 0.3145,
0.3281

 60.4555, 0.2516,
0.3862


 82.5864, 0.3264,
0.3223


 59.4885, 0.2488,
0.3961


 83.0939, 0.3231,
0.3165

 58.8182, 0.2480,
0.4060

 83.4560, 0.3192,
0.3107

 58.3886, 0.2490,
0.4158

 83.8298, 0.3154,
0.3050

 58.3340, 0.2492,
0.4172

 83.9736, 0.3139,
0.3029

Harmonies

Analogous

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



67.9765, 0.3081, 0.3726



67.9765, 0.2808, 0.3496



67.9765, 0.2624, 0.3213

Triad

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



67.9765, 0.2808, 0.3496



67.9765, 0.2864, 0.2807



67.9765, 0.3717, 0.3572

Complementary

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



67.9765, 0.2808, 0.3496



45.9727, 0.3590, 0.3095

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.



67.9765, 0.3656, 0.3330



67.9765, 0.2808, 0.3496



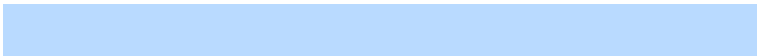
67.9765, 0.3152, 0.2903

Square

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



67.9765, 0.2808, 0.3496



67.9765, 0.2656, 0.2827



67.9765, 0.3445, 0.3090



67.9765, 0.3611, 0.3755

Rectangle

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



67.9765, 0.2808, 0.3496



67.9765, 0.2573, 0.3041



67.9765, 0.3445, 0.3090



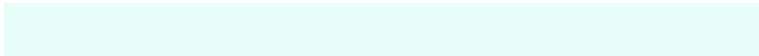
67.9765, 0.3715, 0.3494

Sweetspot

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



67.9793, 0.2808, 0.3496



95.5234, 0.3021, 0.3349



67.8774, 0.3207, 0.4088



20.3015, 0.3004, 0.3360



0.0000, 0.0000, 0.0000



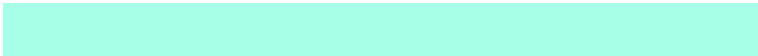
21.4041, 0.3127, 0.3290

Same Dimension

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



67.9793, 0.2808, 0.3496



85.7219, 0.2752, 0.3543



60.8904, 0.2695, 0.3105



16.2686, 0.3016, 0.3352



33.7005, 0.2488, 0.4157



2.5054, 0.2448, 0.4014

Inverse Universe

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



45.9727, 0.3590, 0.3095



53.1371, 0.3719, 0.3054



51.0367, 0.3706, 0.3467



14.4296, 0.3251, 0.3229



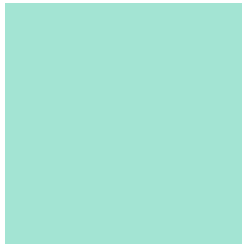
9.7271, 0.5887, 0.3017



0.7338, 0.5471, 0.2788

Previews

White Background



This preview shows how the Yxy color 67.9765, 0.2808, 0.3496 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 67.9765, 0.2808, 0.3496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

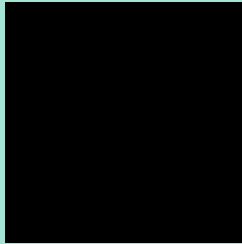
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

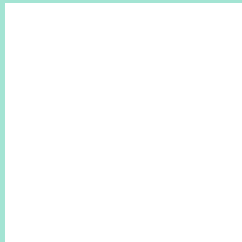
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.9765, 0.2808, 0.3496

Background



This preview shows how black text looks on a background with the Yxy color 67.9765, 0.2808, 0.3496.

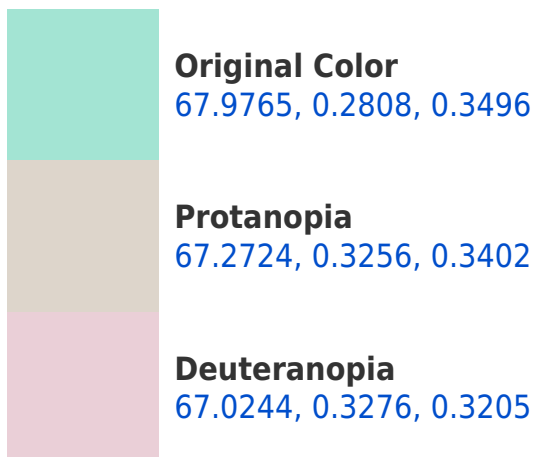


This preview shows how white text looks on a background with the Yxy color 67.9765, 0.2808, 0.3496.

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

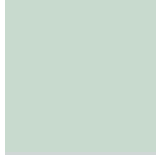
68.0972, 0.2674, 0.3092

Trichromacy



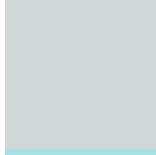
Original Color

67.9765, 0.2808, 0.3496



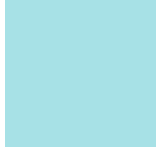
Protanomaly

66.8784, 0.3078, 0.3429



Deuteranomaly

66.8658, 0.3083, 0.3301



Tritanomaly

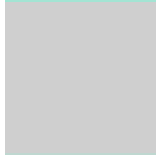
67.7791, 0.2723, 0.3230

Monochromacy



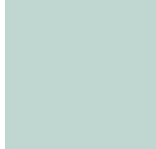
Original Color

67.9765, 0.2808, 0.3496



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.2313, 0.3002, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9765, 0.2808, 0.3496 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(163, 228, 211)` looks like.

```
.text, #text, p{  
    color:rgb(163, 228, 211)  
}
```

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(163, 228, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 228, 211) }
```

Border

The CSS property to change the border of an element to Yxy 67.9765, 0.2808, 0.3496 is called "border". The border property can be set on classes, ids or directly on the HTML element.

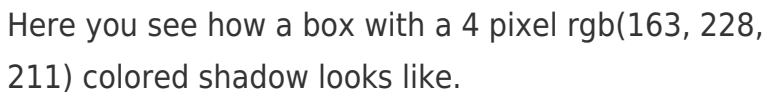
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 228, 211) }
```

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

```
.border{ border-color:rgb(163, 228, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 228, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 228, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 228, 211); box-shadow:4px 4px 4px 4px rgb(163, 228, 211) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9765, 0.2808, 0.3496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 228, 211) }
```

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

```
.background{ background-color: rgb(163,  
228, 211) }
```

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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