

Converting Colors

$Yxy(68.3108, 0.2868, 0.3444)$

Have a look what the booklet for
Yxy(68.3108, 0.2868, 0.3444)
contains.

Yxy(68.3108, 0.2868, 0.3444)	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(68.3108, 0.2868, 0.3444)

Conversions

Conversions Part 1

Format	Color
Hex	AFE2D5
RGB	175, 226, 213
RGB Percent	69%, 89%, 84%
CMY	0.3138, 0.1137, 0.1646
CMYK	0.23, 0.00, 0.06, 0.11
HSL	165°, 47%, 79%
HSV	165°, 23%, 89%
XYZ	56.8860, 68.3108, 73.1505
YIQ	209.2690, -26.2230, -14.8550

Conversions

Conversions Part 2

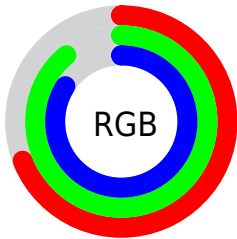
Format	Color
RYB	175, 204, 226
Decimal	11526869
CIELab	86.16, -18.99, 0.98
CIELCh	86, 19.011, 177.060
Yxy	68.3108, 0.2868, 0.3444
Android (android.graphics.Color)	4289716949 (0xFFAFE2D5)
YUV	209.2690, 1.8394, -30.0539
Hunter-Lab	82.6503, -21.7814, 5.3801

Details

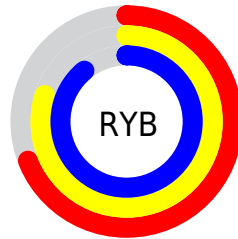
The Yxy color **68.3108, 0.2868, 0.3444** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.4561, 0.3473, 0.3142**, and the grayscale version is **63.9470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **35.6594, 0.2806, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **65.6268, 0.2765, 0.3523**, and if you desaturate by 10%, it is **71.4484, 0.2979, 0.3372**.

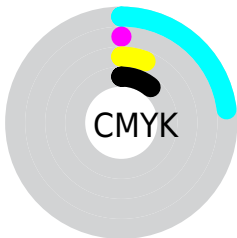
Distribution



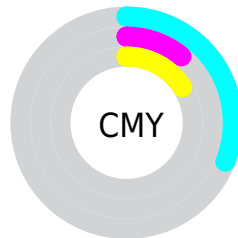
- Red (69%)
- Green (89%)
- Blue (84%)



- Red (69%)
- Yellow (80%)
- Blue (89%)



- Cyan (23%)
- Magenta (0%)
- Yellow (6%)
- Black (11%)





- Cyan (31%)
- Magenta (11%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.3108, 0.2868, 0.3444 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 68.3108, 0.2868, 0.3444 by changing the saturation by 10% instead.


 68.3108, 0.2868,
0.3444

 68.3108, 0.2868,
0.3444

454.5964, 0.2989,
0.3372

 50.1506, 0.2840,
0.3461


 116.7967, 0.2910,
0.3419

 35.5331, 0.2805,
0.3482


147.8911, 0.2927,
0.3409

 24.0738, 0.2761,
0.3508


184.0658, 0.2941,
0.3401

 15.3884, 0.2702,
0.3544

225.7051, 0.2953,
0.3393

 9.0924, 0.2621,
0.3593

273.1934, 0.2964,
0.3387

 4.8015, 0.2502,
0.3665

326.9152, 0.2973,

 2.1313, 0.2311,

0.3381

387.2547, 0.2982,
0.3376

0.3783

0.6821, 0.1199,
0.4425

0.0000, 0.0000,
0.0000

68.3108, 0.2868,
0.3444

68.3108, 0.2868,
0.3444

65.6268, 0.2765,
0.3523

71.4484, 0.2979,
0.3372

63.3661, 0.2674,
0.3607


75.0516, 0.3096,
0.3306


61.5078, 0.2597,
0.3696


79.1422, 0.3217,
0.3247


60.0258, 0.2538,
0.3789


81.7134, 0.3264,
0.3191

 58.8908, 0.2497,
0.3884


 82.0533, 0.3226,
0.3135

 58.0691, 0.2477,
0.3980

 82.4040, 0.3189,
0.3080

 57.5203, 0.2476,
0.4076

 82.7657, 0.3151,
0.3025

 57.2405, 0.2485,
0.4146

 82.8755, 0.3140,
0.3009

Harmonies

Analogous

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



68.3108, 0.3084, 0.3624



68.3108, 0.2868, 0.3444



68.3108, 0.2724, 0.3223

Triad

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



68.3108, 0.2868, 0.3444



68.3108, 0.2928, 0.2906



68.3108, 0.3591, 0.3524

Complementary

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



68.3108, 0.2868, 0.3444



50.4561, 0.3473, 0.3142

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.



68.3108, 0.3547, 0.3333



68.3108, 0.2868, 0.3444



68.3108, 0.3157, 0.2985

Square

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



68.3108, 0.2868, 0.3444



68.3108, 0.2757, 0.2920



68.3108, 0.3386, 0.3139



68.3108, 0.3505, 0.3663

Rectangle

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



68.3108, 0.2868, 0.3444



68.3108, 0.2685, 0.3089



68.3108, 0.3386, 0.3139



68.3108, 0.3591, 0.3463

Sweetspot

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



68.3136, 0.2868, 0.3444



96.4812, 0.3044, 0.3334



68.2574, 0.3192, 0.3903



20.5892, 0.3036, 0.3338



0.0000, 0.0000, 0.0000



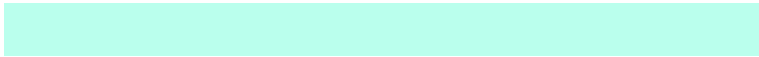
21.4041, 0.3127, 0.3290

Same Dimension

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



68.3136, 0.2868, 0.3444



88.1202, 0.2819, 0.3480



62.7490, 0.2783, 0.3147



15.5096, 0.3016, 0.3350



32.6742, 0.2481, 0.4131



2.2790, 0.2440, 0.3985

Inverse Universe

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



50.4561, 0.3473, 0.3142



60.7851, 0.3566, 0.3110



54.7605, 0.3559, 0.3428



13.7575, 0.3252, 0.3231



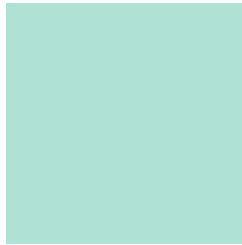
9.4121, 0.5907, 0.3028



0.6667, 0.5467, 0.2785

Previews

White Background



This preview shows how the Yxy color 68.3108, 0.2868, 0.3444 looks on a white background.

Color Contrast Check

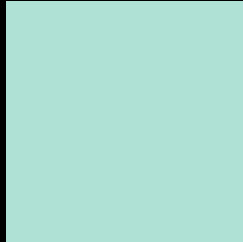
Large Text (above 18pt) WCAG AA × Fail

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 68.3108, 0.2868, 0.3444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

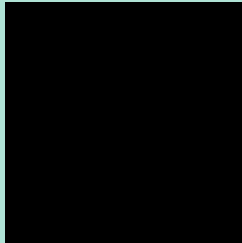
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

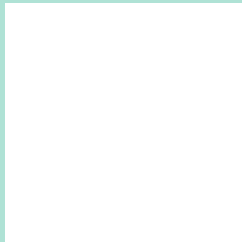
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.3108, 0.2868, 0.3444

Background



This preview shows how black text looks on a background with the Yxy color 68.3108, 0.2868, 0.3444.

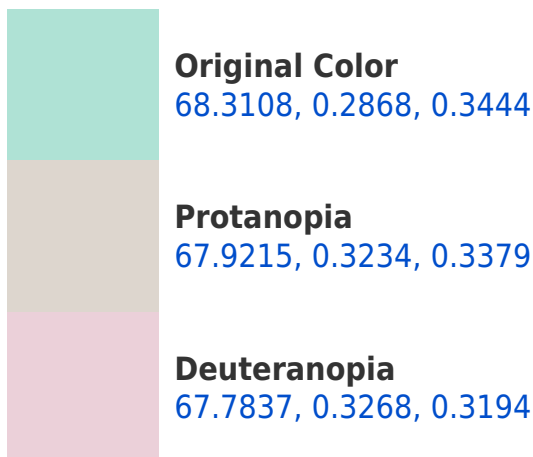


This preview shows how white text looks on a background with the Yxy color 68.3108, 0.2868, 0.3444.

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

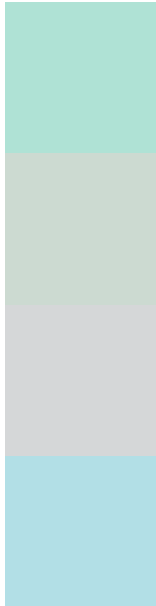




Tritanopia

68.2371, 0.2741, 0.3083

Trichromacy



Original Color

68.3108, 0.2868, 0.3444

Protanomaly

67.5836, 0.3087, 0.3393

Deuteranomaly

67.7049, 0.3106, 0.3279

Tritanomaly

67.9535, 0.2786, 0.3208

Monochromacy



Original Color

68.3108, 0.2868, 0.3444

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

65.1243, 0.3031, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3108, 0.2868, 0.3444 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(175, 226, 213)` looks like.

```
.text, #text, p{  
    color:rgb(175, 226, 213)  
}
```

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(175, 226, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 226, 213) }
```

Border

The CSS property to change the border of an element to Yxy 68.3108, 0.2868, 0.3444 is called "border". The border property can be set on classes, ids or directly on the HTML element.

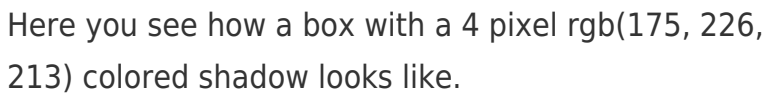
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 226, 213) }
```

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

```
.border{ border-color:rgb(175, 226, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 226, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 226, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 226, 213); box-shadow:4px 4px 4px 4px rgb(175, 226, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3108, 0.2868, 0.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 226, 213) }
```

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

```
.background{ background-color: rgb(175,  
226, 213) }
```

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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