

Converting Colors

Yxy(68.0906, 0.2851, 0.3488)

Have a look what the booklet for
Yxy(68.0906, 0.2851, 0.3488)
contains.

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Color

Yxy(68.1374, 0.2855, 0.3494)

Conversions

Conversions Part 1

Format	Color
Hex	AAE3D2
RGB	170, 227, 210
RGB Percent	67%, 89%, 82%
CMY	0.3334, 0.1098, 0.1764
CMYK	0.25, 0.00, 0.07, 0.11
HSL	162°, 50%, 78%
HSV	162°, 25%, 89%
XYZ	55.6761, 68.1374, 71.1991
YIQ	208.0190, -28.5150, -17.3710

Conversions

Conversions Part 2

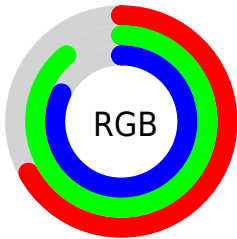
Format	Color
R _Y B	170, 203, 227
Decimal	11199442
CIE Lab	86.08, -21.62, 2.40
CIE LCh	86, 21.755, 173.673
Yxy	68.1374, 0.2855, 0.3494
Android (android.graphics.Color)	4289389522 (0xFFAAE3D2)
YUV	208.0190, 0.9766, -33.3427
Hunter-Lab	82.5454, -24.0578, 6.6415

Details

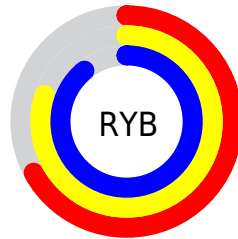
The Yxy color **68.1374, 0.2855, 0.3494** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.6579, 0.3501, 0.3096**, and the grayscale version is **63.0955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **35.2391, 0.2782, 0.3531** is the 20% darker color. If you saturate the color by 10%, you get **65.4953, 0.2760, 0.3589**, and if you desaturate by 10%, it is **71.2362, 0.2959, 0.3407**.

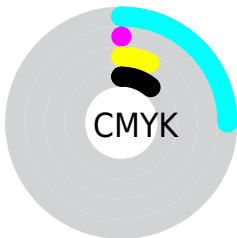
Distribution



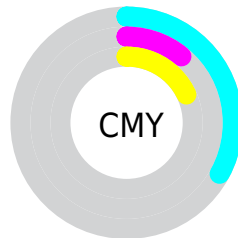
- Red (67%)
- Green (89%)
- Blue (82%)



- Red (67%)
- Yellow (80%)
- Blue (89%)



- Cyan (25%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)



- Cyan (33%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1374, 0.2855, 0.3494 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 68.1374, 0.2855, 0.3494 by changing the saturation by 10% instead.

68.1374, 0.2855,
0.3494

68.1374, 0.2855,
0.3494

453.9827, 0.2983,
0.3398

50.0095, 0.2825,
0.3517

116.5487, 0.2900,
0.3460

35.4210, 0.2788,
0.3545

147.6009, 0.2917,
0.3447

23.9873, 0.2741,
0.3581

183.7300, 0.2932,
0.3436

15.3242, 0.2679,
0.3629

225.3204, 0.2945,
0.3426

9.0472, 0.2593,
0.3696

272.7564, 0.2956,
0.3418

4.7720, 0.2466,
0.3797

326.4226, 0.2966,

2.1141, 0.2261,

0.3410

386.7032, 0.2975,
0.3404

0.3962

0.6726, 0.0826,
0.4987

0.0000, 0.0000,
0.0000

68.1374, 0.2855,
0.3494

68.1374, 0.2855,
0.3494

65.4953, 0.2760,
0.3589

71.2362, 0.2959,
0.3407

63.2788, 0.2676,
0.3690


74.8042, 0.3069,
0.3328


61.4662, 0.2607,
0.3797


78.8639, 0.3183,
0.3256


60.0301, 0.2556,
0.3909


82.3219, 0.3257,
0.3191

 58.9400, 0.2524,
0.4022


 82.7249, 0.3212,
0.3125

 58.1603, 0.2513,
0.4137

 83.1430, 0.3168,
0.3061

 57.6474, 0.2520,
0.4249

 83.4233, 0.3140,
0.3019

 57.4595, 0.2529,
0.4304

Harmonies

Analogous

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



68.1374, 0.3107, 0.3693



68.1374, 0.2855, 0.3494



68.1374, 0.2680, 0.3240

Triad

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



68.1374, 0.2855, 0.3494



68.1374, 0.2872, 0.2849



68.1374, 0.3661, 0.3532

Complementary

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



68.1374, 0.2855, 0.3494



48.6579, 0.3501, 0.3096

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.



68.1374, 0.3594, 0.3311



68.1374, 0.2855, 0.3494



68.1374, 0.3130, 0.2929

Square

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



68.1374, 0.2855, 0.3494



68.1374, 0.2690, 0.2876



68.1374, 0.3397, 0.3095



68.1374, 0.3577, 0.3702

Rectangle

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



68.1374, 0.2855, 0.3494



68.1374, 0.2627, 0.3082



68.1374, 0.3397, 0.3095



68.1374, 0.3655, 0.3461

Sweetspot

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



68.1402, 0.2855, 0.3494



95.9488, 0.3037, 0.3350



68.4199, 0.3212, 0.3979



20.3838, 0.3020, 0.3362



0.0000, 0.0000, 0.0000



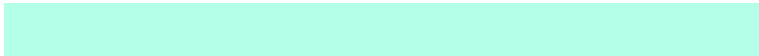
21.4041, 0.3127, 0.3290

Same Dimension

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



68.1402, 0.2855, 0.3494



86.8822, 0.2805, 0.3541



62.9976, 0.2747, 0.3152



16.2594, 0.3021, 0.3361



33.5289, 0.2524, 0.4287



2.4938, 0.2479, 0.4123

Inverse Universe

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



48.6579, 0.3501, 0.3096



57.5310, 0.3602, 0.3055



52.4361, 0.3625, 0.3423



14.4383, 0.3246, 0.3220



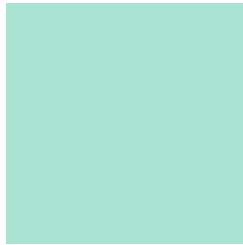
9.7830, 0.5764, 0.2949



0.7389, 0.5347, 0.2719

Previews

White Background



This preview shows how the Yxy color 68.1374, 0.2855, 0.3494 looks on a white background.

Color Contrast Check

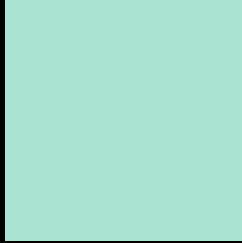
Large Text (above 18pt) WCAG AA × Fail

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 68.1374, 0.2855, 0.3494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

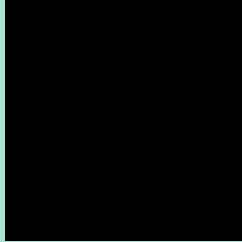
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

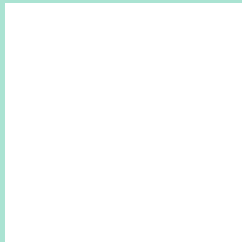
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.1374, 0.2855, 0.3494

Background



This preview shows how black text looks on a background with the Yxy color 68.1374, 0.2855, 0.3494.

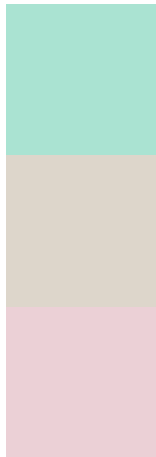


This preview shows how white text looks on a background with the Yxy color 68.1374, 0.2855, 0.3494.

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

68.1374, 0.2855, 0.3494

Protanopia

67.7771, 0.3255, 0.3413

Deuteranopia

67.6290, 0.3289, 0.3226



Tritanopia

68.2967, 0.2719, 0.3094

Trichromacy



Original Color

68.1374, 0.2855, 0.3494

Protanomaly

67.6758, 0.3092, 0.3440

Deuteranomaly

67.2539, 0.3112, 0.3312

Tritanomaly

67.9671, 0.2769, 0.3230

Monochromacy



Original Color

68.1374, 0.2855, 0.3494

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.6737, 0.3016, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1374, 0.2855, 0.3494 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(170, 227, 210)` looks like.

```
.text, #text, p{  
    color:rgb(170, 227, 210)  
}
```

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(170, 227, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 227, 210) }
```

Border

The CSS property to change the border of an element to Yxy 68.1374, 0.2855, 0.3494 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(170, 227, 210) }
```

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

```
.border{ border-color:rgb(170, 227, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 227, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 227, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 227, 210);  
box-shadow:4px 4px 4px 4px rgb(170, 227,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1374, 0.2855, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 227, 210) }
```

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

```
.background{ background-color: rgb(170,  
227, 210) }
```

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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