

Converting Colors

$Yxy(68.0478, 0.2796, 0.3262)$

Have a look what the booklet for
Yxy(68.0478, 0.2796, 0.3262)
contains.

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Color

Yxy(68.0324, 0.2798, 0.3266)

Conversions

Conversions Part 1

Format	Color
Hex	B0E0E2
RGB	176, 224, 226
RGB Percent	69%, 88%, 89%
CMY	0.3098, 0.1215, 0.1138
CMYK	0.22, 0.01, 0.00, 0.11
HSL	182°, 46%, 79%
HSV	182°, 22%, 89%
XYZ	58.2837, 68.0324, 81.9888
YIQ	209.8760, -29.2500, -9.5540

Conversions

Conversions Part 2

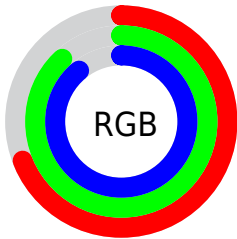
Format	Color
RYB	176, 200, 226
Decimal	11591906
CIELab	86.02, -14.96, -6.05
CIELCh	86, 16.142, 202.023
Yxy	68.0324, 0.2798, 0.3266
Android (android.graphics.Color)	4289781986 (0xFFB0E0E2)
YUV	209.8760, 7.9491, -29.7093
Hunter-Lab	82.4818, -18.2104, -1.1984

Details

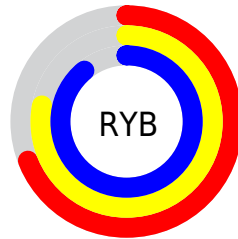
The Yxy color **68.0324, 0.2798, 0.3266** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.1242, 0.3572, 0.3314**, and the grayscale version is **64.3248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **35.4538, 0.2717, 0.3258** is the 20% darker color. If you saturate the color by 10%, you get **65.1409, 0.2665, 0.3254**, and if you desaturate by 10%, it is **71.3704, 0.2942, 0.3277**.

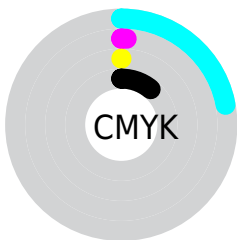
Distribution



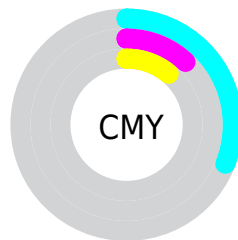
- Red (69%)
- Green (88%)
- Blue (89%)



- Red (69%)
- Yellow (78%)
- Blue (89%)



- Cyan (22%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)




- Cyan (31%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0324, 0.2798, 0.3266 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 68.0324, 0.2798, 0.3266 by changing the saturation by 10% instead.


 68.0324, 0.2798,
0.3266

 68.0324, 0.2798,
0.3266


453.6108, 0.2951,
0.3279

 49.9241, 0.2763,
0.3262


 116.3985, 0.2851,
0.3271

 35.3531, 0.2720,
0.3258


147.4251, 0.2872,
0.3273

 23.9350, 0.2665,
0.3252


183.5265, 0.2889,
0.3274

 15.2854, 0.2593,
0.3243

225.0873, 0.2905,
0.3276

 9.0199, 0.2495,
0.3229

272.4917, 0.2918,
0.3277

 4.7542, 0.2353,
0.3206

326.1241, 0.2930,

 2.1038, 0.2131,

0.3278

0.3163

386.3690, 0.2941,
0.3279

0.6667, 0.1280,
0.3180

0.0000, 0.0000,
0.0000

68.0324, 0.2798,
0.3266

68.0324, 0.2798,
0.3266

65.1409, 0.2665,
0.3254

71.3704, 0.2942,
0.3277

62.6659, 0.2547,
0.3241

75.1667, 0.3094,
0.3288

60.5865, 0.2445,
0.3228

79.4430, 0.3252,
0.3298

58.8770, 0.2361,
0.3215

81.9930, 0.3330,
0.3306

■ 57.5084, 0.2297,
0.3202

■ 82.4813, 0.3329,
0.3315

■ 56.4473, 0.2252,
0.3188

■ 82.9720, 0.3328,
0.3324

■ 55.6538, 0.2225,
0.3176

■ 83.4653, 0.3327,
0.3333

■ 55.1652, 0.2213,
0.3165

■ 83.9610, 0.3326,
0.3342

■ 84.4593, 0.3325,
0.3350

Harmonies

Analogous

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



68.0324, 0.2935, 0.3450



68.0324, 0.2798, 0.3266



68.0324, 0.2748, 0.3096

Triad

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



68.0324, 0.2798, 0.3266



68.0324, 0.3119, 0.3013



68.0324, 0.3467, 0.3593

Complementary

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



68.0324, 0.2798, 0.3266



51.1242, 0.3572, 0.3314

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.



68.0324, 0.3522, 0.3466



68.0324, 0.2798, 0.3266



68.0324, 0.3318, 0.3136

Square

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



68.0324, 0.2798, 0.3266



68.0324, 0.2929, 0.2957



68.0324, 0.3467, 0.3299



68.0324, 0.3321, 0.3642

Rectangle

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



68.0324, 0.2798, 0.3266



68.0324, 0.2768, 0.3014



68.0324, 0.3467, 0.3299



68.0324, 0.3497, 0.3557

Sweetspot

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



68.0352, 0.2798, 0.3266



96.3240, 0.3018, 0.3283



66.8076, 0.3088, 0.3885



20.5526, 0.3009, 0.3282



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.



68.0352, 0.2798, 0.3266



87.4850, 0.2729, 0.3260



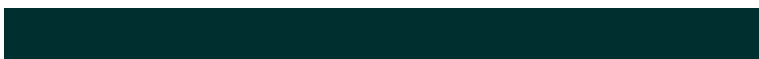
55.7134, 0.2776, 0.2967



15.4752, 0.2982, 0.3280



31.5238, 0.2213, 0.3167



2.2142, 0.2219, 0.3187

Inverse Universe

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



52.5968, 0.3168, 0.2762



63.4881, 0.3179, 0.2640



61.8457, 0.3513, 0.3593



13.9259, 0.3144, 0.3068



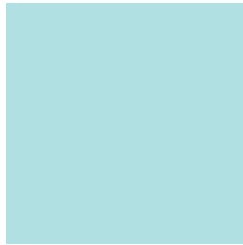
12.0904, 0.3309, 0.1597



0.8410, 0.3293, 0.1588

Previews

White Background



This preview shows how the Yxy color 68.0324, 0.2798, 0.3266 looks on a white background.

Color Contrast Check

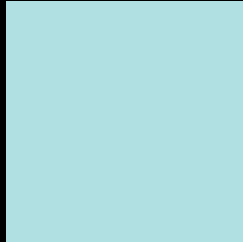
Large Text (above 18pt) WCAG AA × Fail

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 68.0324, 0.2798, 0.3266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

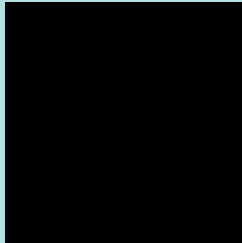
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

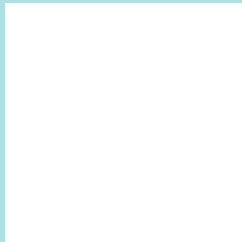
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.0324, 0.2798, 0.3266

Background



This preview shows how black text looks on a background with the Yxy color 68.0324, 0.2798, 0.3266.

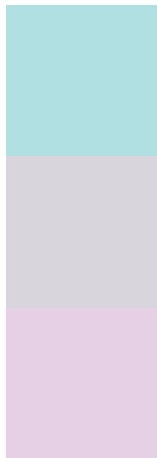


This preview shows how white text looks on a background with the Yxy color 68.0324, 0.2798, 0.3266.

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

68.0324, 0.2798, 0.3266

Protanopia

67.5075, 0.3109, 0.3213

Deuteranopia

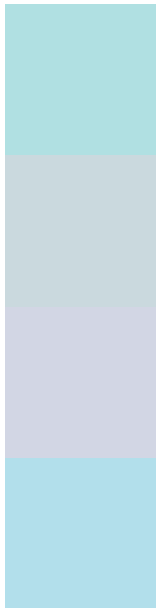
67.4269, 0.3138, 0.3066



Tritanopia

68.1175, 0.2735, 0.3083

Trichromacy



Original Color

68.0324, 0.2798, 0.3266

Protanomaly

67.4562, 0.2988, 0.3233

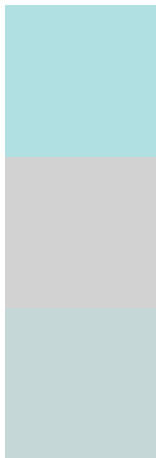
Deuteranomaly

67.3962, 0.3006, 0.3134

Tritanomaly

68.2385, 0.2758, 0.3150

Monochromacy



Original Color

68.0324, 0.2798, 0.3266

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.5645, 0.2999, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0324, 0.2798, 0.3266 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(176, 224, 226)` looks like.

```
.text, #text, p{  
    color:rgb(176, 224, 226)  
}
```

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(176, 224, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 224, 226) }
```

Border

The CSS property to change the border of an element to Yxy 68.0324, 0.2798, 0.3266 is called "border". The border property can be set on classes, ids or directly on the HTML element.

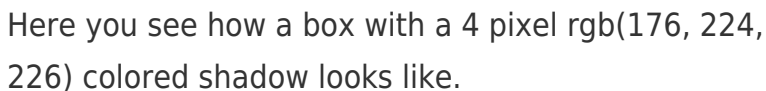
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 224, 226) }
```

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

```
.border{ border-color:rgb(176, 224, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 224, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 224, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 224, 226); box-shadow:4px 4px 4px 4px rgb(176, 224, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0324, 0.2798, 0.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 224, 226) }
```

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

```
.background{ background-color: rgb(176,  
224, 226) }
```

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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