

Converting Colors

Yxy(68.9763, 0.2882, 0.3319)

Have a look what the booklet for
Yxy(68.9763, 0.2882, 0.3319)
contains.

Yxy(68.8995, 0.2877, 0.3312)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.8995, 0.2877, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	B9E0DE
RGB	185, 224, 222
RGB Percent	73%, 88%, 87%
CMY	0.2745, 0.1216, 0.1292
CMYK	0.17, 0.00, 0.01, 0.12
HSL	177°, 39%, 80%
HSV	177°, 17%, 88%
XYZ	59.8502, 68.8995, 79.2802
YIQ	212.1110, -22.6020, -8.8900

Conversions

Conversions Part 2

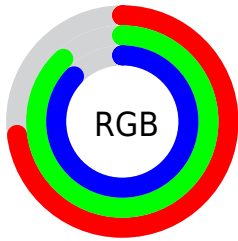
Format	Color
RYB	185, 205, 224
Decimal	12181726
CIELab	86.45, -13.05, -3.28
CIELCh	86, 13.459, 194.116
Yxy	68.8995, 0.2877, 0.3312
Android (android.graphics.Color)	4290371806 (0xFFB9E0DE)
YUV	212.1110, 4.8753, -23.7763
Hunter-Lab	83.0057, -16.5549, 1.4751

Details

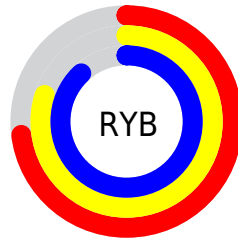
The Yxy color **68.8995, 0.2877, 0.3312** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.1273, 0.3445, 0.3268**, and the grayscale version is **65.8959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **35.9912, 0.2815, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **66.2724, 0.2746, 0.3326**, and if you desaturate by 10%, it is **71.9716, 0.3018, 0.3299**.

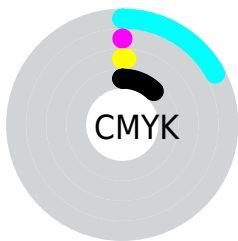
Distribution



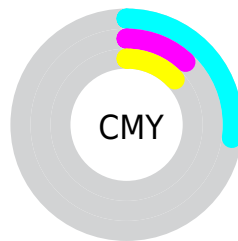
- Red (73%)
- Green (88%)
- Blue (87%)



- Red (73%)
- Yellow (80%)
- Blue (88%)



- Cyan (17%)
- Magenta (0%)
- Yellow (1%)
- Black (12%)




- Cyan (27%)
- Magenta (12%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8995, 0.2877, 0.3312 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 68.8995, 0.2877, 0.3312 by changing the saturation by 10% instead.


 68.8995, 0.2877,
0.3312

 68.8995, 0.2877,
0.3312

456.6764, 0.2993,
0.3303

 50.6299, 0.2850,
0.3314

 117.6380, 0.2917,
0.3309

 35.9141, 0.2817,
0.3316


148.8757, 0.2933,
0.3308

 24.3679, 0.2775,
0.3319


185.2048, 0.2947,
0.3307

 15.6067, 0.2720,
0.3322

227.0099, 0.2958,
0.3306

 9.2463, 0.2644,
0.3326

274.6751, 0.2969,
0.3305

 4.9022, 0.2535,
0.3330

328.5850, 0.2978,

 2.1900, 0.2361,

0.3304

389.1240, 0.2986,
0.3303

0.3333

0.7145, 0.1731,
0.3430

0.0000, 0.0000,
0.0000

68.8995, 0.2877,
0.3312

68.8995, 0.2877,
0.3312

66.2724, 0.2746,
0.3326

71.9716, 0.3018,
0.3299

64.0612, 0.2628,
0.3341


75.4993, 0.3166,
0.3287

62.2467, 0.2526,
0.3357

79.5035, 0.3318,
0.3276


60.8047, 0.2442,
0.3373


80.0942, 0.3331,
0.3265

 59.7083, 0.2376,
0.3390


 80.1564, 0.3323,
0.3254


 58.9272, 0.2330,
0.3407


 80.2190, 0.3315,
0.3243


 58.4258, 0.2303,
0.3424

 80.2821, 0.3308,
0.3232

 58.1562, 0.2292,
0.3440

 80.3455, 0.3300,
0.3221

 58.1041, 0.2290,
0.3444

 80.4094, 0.3292,
0.3209

Harmonies

Analogous

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



68.8995, 0.3007, 0.3458



68.8995, 0.2877, 0.3312



68.8995, 0.2814, 0.3164

Triad

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



68.8995, 0.2877, 0.3312



68.8995, 0.3077, 0.3040



68.8995, 0.3430, 0.3520

Complementary

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



68.8995, 0.2877, 0.3312



54.1273, 0.3445, 0.3268

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.



68.8995, 0.3451, 0.3403



68.8995, 0.2877, 0.3312



68.8995, 0.3244, 0.3130

Square

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



68.8995, 0.2877, 0.3312



68.8995, 0.2927, 0.3012



68.8995, 0.3383, 0.3261



68.8995, 0.3326, 0.3579

Rectangle

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



68.8995, 0.2877, 0.3312



68.8995, 0.2817, 0.3085



68.8995, 0.3383, 0.3261



68.8995, 0.3447, 0.3486

Sweetspot

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



68.9023, 0.2877, 0.3312



97.6203, 0.3053, 0.3296



67.4550, 0.3123, 0.3759



20.8259, 0.3042, 0.3297



0.0000, 0.0000, 0.0000



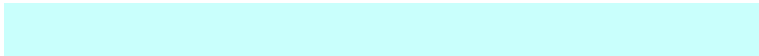
21.4041, 0.3127, 0.3290

Same Dimension

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



68.9023, 0.2877, 0.3312



91.0478, 0.2827, 0.3317



60.3680, 0.2856, 0.3089



15.5598, 0.2989, 0.3302



33.8250, 0.2289, 0.3442



2.3483, 0.2282, 0.3416

Inverse Universe

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



54.1273, 0.3445, 0.3268



67.6099, 0.3531, 0.3264



61.5424, 0.3429, 0.3483



13.7116, 0.3284, 0.3279



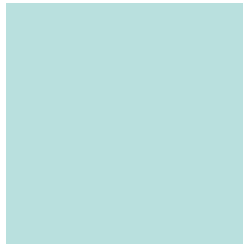
9.2437, 0.6345, 0.3269



0.6447, 0.6186, 0.3181

Previews

White Background



This preview shows how the Yxy color 68.8995, 0.2877, 0.3312 looks on a white background.

Color Contrast Check

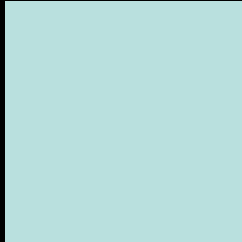
Large Text (above 18pt) WCAG AA × Fail

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 68.8995, 0.2877, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

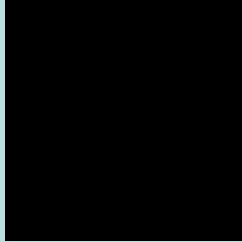
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

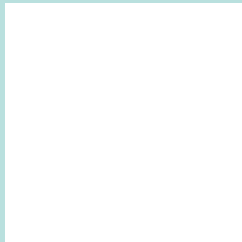
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.8995, 0.2877, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 68.8995, 0.2877, 0.3312.

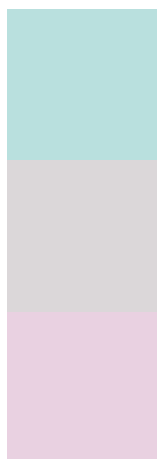


This preview shows how white text looks on a background with the Yxy color 68.8995, 0.2877, 0.3312.

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

68.8995, 0.2877, 0.3312

Protanopia

68.6707, 0.3143, 0.3268

Deuteranopia

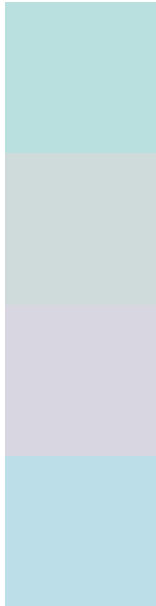
68.3608, 0.3195, 0.3120



Tritanopia

68.6363, 0.2795, 0.3086

Trichromacy



Original Color

68.8995, 0.2877, 0.3312

Protanomaly

68.5227, 0.3042, 0.3279

Deuteranomaly

68.0739, 0.3074, 0.3180

Tritanomaly

68.6905, 0.2824, 0.3164

Monochromacy



Original Color

68.8995, 0.2877, 0.3312

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.6262, 0.3027, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8995, 0.2877, 0.3312 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(185, 224, 222)` looks like.

```
.text, #text, p{  
    color:rgb(185, 224, 222)  
}
```

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(185, 224, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 224, 222) }
```

Border

The CSS property to change the border of an element to Yxy 68.8995, 0.2877, 0.3312 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(185, 224, 222) }
```

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

```
.border{ border-color:rgb(185, 224, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 224, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 224, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 224, 222);  
box-shadow:4px 4px 4px 4px rgb(185, 224,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8995, 0.2877, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 224, 222) }
```

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

```
.background{ background-color: rgb(185,  
224, 222) }
```

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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