

Converting Colors

Yxy(68.1242, 0.2846, 0.3314)

Have a look what the booklet for
Yxy(68.1242, 0.2846, 0.3314)
contains.

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Color

Yxy(68.2885, 0.2846, 0.3313)

Conversions

Conversions Part 1

Format	Color
Hex	B4E0DE
RGB	180, 224, 222
RGB Percent	71%, 88%, 87%
CMY	0.2940, 0.1216, 0.1295
CMYK	0.20, 0.00, 0.01, 0.12
HSL	177°, 42%, 79%
HSV	177°, 20%, 88%
XYZ	58.6626, 68.2885, 79.1718
YIQ	210.6160, -25.5820, -9.9500

Conversions

Conversions Part 2

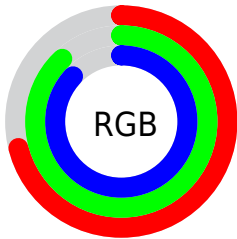
Format	Color
RYB	180, 203, 224
Decimal	11854046
CIELab	86.15, -14.60, -3.72
CIELCh	86, 15.064, 194.313
Yxy	68.2885, 0.2846, 0.3313
Android (android.graphics.Color)	4290044126 (0xFFB4E0DE)
YUV	210.6160, 5.6123, -26.8502
Hunter-Lab	82.6369, -17.9002, 1.0419

Details

The Yxy color **68.2885, 0.2846, 0.3313** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.8793, 0.3497, 0.3268**, and the grayscale version is **64.8527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **35.6016, 0.2776, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **65.7607, 0.2717, 0.3326**, and if you desaturate by 10%, it is **71.2567, 0.2985, 0.3301**.

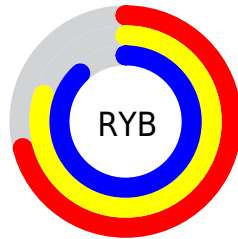
Distribution



Red (71%)

Green (88%)

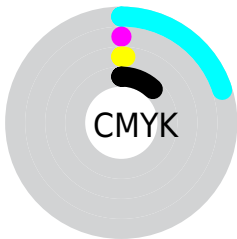
Blue (87%)



Red (71%)

Yellow (80%)

Blue (88%)

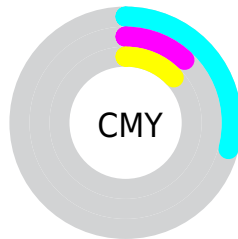


Cyan (20%)

Magenta (0%)

Yellow (1%)

Black (12%)



Cyan (29%)

Magenta (12%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2885, 0.2846, 0.3313 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 68.2885, 0.2846, 0.3313 by changing the saturation by 10% instead.


 68.2885, 0.2846,
0.3313

 68.2885, 0.2846,
0.3313

454.5175, 0.2977,
0.3304

 50.1325, 0.2816,
0.3315


 116.7648, 0.2892,
0.3310

 35.5187, 0.2779,
0.3317


147.8538, 0.2909,
0.3309

 24.0627, 0.2731,
0.3320


184.0226, 0.2924,
0.3308

 15.3801, 0.2669,
0.3323

225.6557, 0.2938,
0.3307

 9.0866, 0.2584,
0.3326

273.1373, 0.2949,
0.3306

 4.7977, 0.2461,
0.3329

326.8518, 0.2959,

 2.1291, 0.2266,

0.3305

387.1838, 0.2969,
0.3304

0.3329

0.6809, 0.1473,
0.3449

0.0000, 0.0000,
0.0000

68.2885, 0.2846,
0.3313

68.2885, 0.2846,
0.3313

65.7607, 0.2717,
0.3326

71.2567, 0.2985,
0.3301

63.6441, 0.2603,
0.3340


74.6764, 0.3133,
0.3290

61.9189, 0.2504,
0.3355

78.5685, 0.3285,
0.3280

60.5604, 0.2423,
0.3370


80.0706, 0.3334,
0.3270


 59.5411, 0.2362,
0.3385


 80.1277, 0.3327,
0.3259


 58.8298, 0.2320,
0.3401

 80.1852, 0.3319,
0.3249


 58.3891, 0.2296,
0.3416

 80.2431, 0.3312,
0.3239

 58.1565, 0.2287,
0.3431

 80.3013, 0.3305,
0.3228

 58.1493, 0.2287,
0.3432

 80.3599, 0.3298,
0.3218

Harmonies

Analogous

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



68.2885, 0.2990, 0.3479



68.2885, 0.2846, 0.3313



68.2885, 0.2776, 0.3146

Triad

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



68.2885, 0.2846, 0.3313



68.2885, 0.3072, 0.3011



68.2885, 0.3467, 0.3548

Complementary

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



68.2885, 0.2846, 0.3313



51.8793, 0.3497, 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.



68.2885, 0.3492, 0.3416



68.2885, 0.2846, 0.3313



68.2885, 0.3260, 0.3112

Square

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



68.2885, 0.2846, 0.3313



68.2885, 0.2903, 0.2978



68.2885, 0.3415, 0.3258



68.2885, 0.3349, 0.3615

Rectangle

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



68.2885, 0.2846, 0.3313



68.2885, 0.2780, 0.3059



68.2885, 0.3415, 0.3258



68.2885, 0.3486, 0.3510

Sweetspot

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



68.2913, 0.2846, 0.3313



97.1672, 0.3038, 0.3297



66.5815, 0.3117, 0.3826



20.7347, 0.3028, 0.3297



0.0000, 0.0000, 0.0000



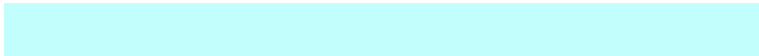
21.4041, 0.3127, 0.3290

Same Dimension

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



68.2913, 0.2846, 0.3313



90.0017, 0.2786, 0.3319



58.3746, 0.2820, 0.3052



15.5608, 0.2988, 0.3301



33.8508, 0.2286, 0.3429



2.3498, 0.2279, 0.3406

Inverse Universe

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



51.8793, 0.3497, 0.3268



63.7691, 0.3608, 0.3262



60.3665, 0.3472, 0.3517



13.7108, 0.3285, 0.3280



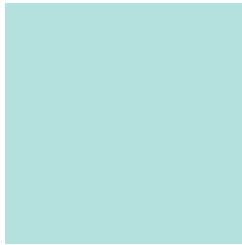
9.2421, 0.6349, 0.3271



0.6443, 0.6202, 0.3190

Previews

White Background



This preview shows how the Yxy color 68.2885, 0.2846, 0.3313 looks on a white background.

Color Contrast Check

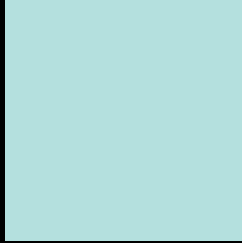
Large Text (above 18pt) WCAG AA × Fail

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 68.2885, 0.2846, 0.3313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

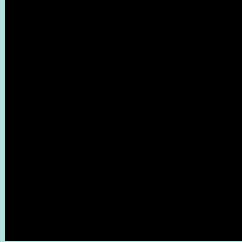
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

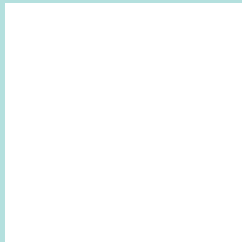
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.2885, 0.2846, 0.3313

Background



This preview shows how black text looks on a background with the Yxy color 68.2885, 0.2846, 0.3313.

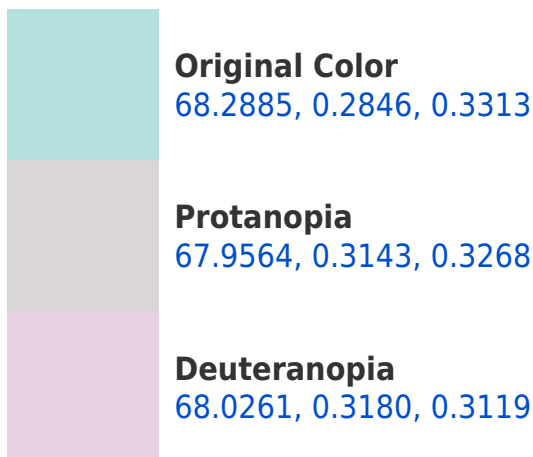


This preview shows how white text looks on a background with the Yxy color 68.2885, 0.2846, 0.3313.

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

68.0122, 0.2764, 0.3084

Trichromacy



Original Color

68.2885, 0.2846, 0.3313

Protanomaly

68.0421, 0.3028, 0.3290

Deuteranomaly

67.4720, 0.3046, 0.3179

Tritanomaly

68.0708, 0.2793, 0.3162

Monochromacy



Original Color

68.2885, 0.2846, 0.3313

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.2974, 0.3020, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2885, 0.2846, 0.3313 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(180, 224, 222)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 224, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 224, 222) }
```

Border

The CSS property to change the border of an element to Yxy 68.2885, 0.2846, 0.3313 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(180, 224, 222) }
```

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

```
.border{ border-color:rgb(180, 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(180, 224, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 224, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 224, 222); box-shadow:4px 4px 4px 4px rgb(180, 224, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2885, 0.2846, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 224, 222) }
```

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

```
.background{ background-color: rgb(180,  
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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