

Converting Colors

$Yxy(68.0365, 0.2817, 0.3257)$

Have a look what the booklet for
Yxy(68.0365, 0.2817, 0.3257)
contains.

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Color

Yxy(67.8500, 0.2815, 0.3254)

Conversions

Conversions Part 1

Format	Color
Hex	B3DFE2
RGB	179, 223, 226
RGB Percent	70%, 87%, 89%
CMY	0.2983, 0.1254, 0.1137
CMYK	0.21, 0.01, 0.00, 0.11
HSL	184°, 45%, 79%
HSV	184°, 21%, 89%
XYZ	58.6963, 67.8500, 81.9663
YIQ	210.1860, -27.1870, -8.3950

Conversions

Conversions Part 2

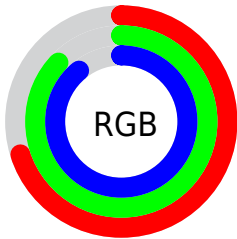
Format	Color
R _Y B	179, 202, 226
Decimal	11788258
CIE Lab	85.93, -13.57, -6.19
CIE LCh	86, 14.917, 204.531
Yxy	67.8500, 0.2815, 0.3254
Android (android.graphics.Color)	4289978338 (0xFFB3DFE2)
YUV	210.1860, 7.7963, -27.3501
Hunter-Lab	82.3711, -16.9533, -1.3388

Details

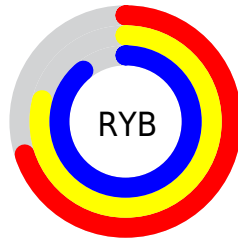
The Yxy color **67.8500, 0.2815, 0.3254** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.8549, 0.3537, 0.3326**, and the grayscale version is **64.5332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **35.3055, 0.2738, 0.3242** is the 20% darker color. If you saturate the color by 10%, you get **64.6112, 0.2679, 0.3235**, and if you desaturate by 10%, it is **71.5422, 0.2961, 0.3272**.

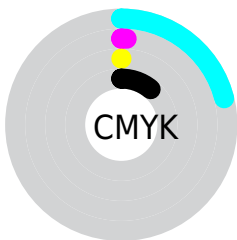
Distribution



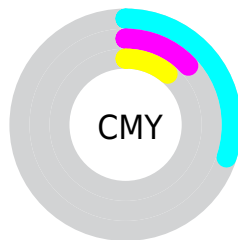
- Red (70%)
- Green (87%)
- Blue (89%)



- Red (70%)
- Yellow (79%)
- Blue (89%)



- Cyan (21%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)



- Cyan (30%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8500, 0.2815, 0.3254 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 67.8500, 0.2815, 0.3254 by changing the saturation by 10% instead.

■ 67.8500, 0.2815,
0.3254

■ 67.8500, 0.2815,
0.3254

452.9644, 0.2960,
0.3273

■ 49.7757, 0.2782,
0.3249

■ 116.1375, 0.2865,
0.3261

■ 35.2352, 0.2741,
0.3243

147.1196, 0.2885,
0.3263

■ 23.8441, 0.2688,
0.3235

183.1730, 0.2902,
0.3266

■ 15.2180, 0.2620,
0.3223

224.6821, 0.2917,
0.3267

■ 8.9725, 0.2526,
0.3207

272.0315, 0.2929,
0.3269

■ 4.7233, 0.2391,
0.3179

325.6054, 0.2941,

■ 2.0858, 0.2179,

0.3270

385.7882, 0.2951,
0.3272

0.3130

0.6566, 0.1388,
0.3113

0.0000, 0.0000,
0.0000

67.8500, 0.2815,
0.3254

67.8500, 0.2815,
0.3254

64.6112, 0.2679,
0.3235

71.5422, 0.2961,
0.3272

61.7961, 0.2557,
0.3214

75.6995, 0.3114,
0.3289

59.3840, 0.2450,
0.3193

80.3436, 0.3272,
0.3304

57.3494, 0.2361,
0.3172

82.6691, 0.3328,
0.3318

■ 55.6638, 0.2291,
0.3150

■ 83.4687, 0.3327,
0.3332

■ 54.2945, 0.2240,
0.3128

■ 84.2750, 0.3325,
0.3347

■ 53.2025, 0.2208,
0.3107

■ 85.0880, 0.3323,
0.3361

■ 52.3843, 0.2191,
0.3087

■ 85.9076, 0.3322,
0.3375

■ 86.7338, 0.3320,
0.3389

Harmonies

Analogous

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



67.8500, 0.2936, 0.3425



67.8500, 0.2815, 0.3254



67.8500, 0.2776, 0.3100

Triad

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



67.8500, 0.2815, 0.3254



67.8500, 0.3136, 0.3040



67.8500, 0.3433, 0.3578

Complementary

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



67.8500, 0.2815, 0.3254



52.8549, 0.3537, 0.3326

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.



67.8500, 0.3492, 0.3465



67.8500, 0.2815, 0.3254



67.8500, 0.3317, 0.3159

Square

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



67.8500, 0.2815, 0.3254



67.8500, 0.2957, 0.2983



67.8500, 0.3449, 0.3312



67.8500, 0.3292, 0.3615

Rectangle

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



67.8500, 0.2815, 0.3254



67.8500, 0.2800, 0.3027



67.8500, 0.3449, 0.3312



67.8500, 0.3464, 0.3547

Sweetspot

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



67.8528, 0.2815, 0.3254



96.5921, 0.3034, 0.3280



67.3272, 0.3086, 0.3837



20.5983, 0.3024, 0.3279



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.



67.8528, 0.2815, 0.3254



87.2833, 0.2755, 0.3246



56.4344, 0.2796, 0.2978



15.4148, 0.2982, 0.3274



29.9469, 0.2192, 0.3091



2.1216, 0.2201, 0.3123

Inverse Universe

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



53.7157, 0.3175, 0.2805



65.5917, 0.3186, 0.2702



63.0062, 0.3486, 0.3583



13.9198, 0.3148, 0.3073



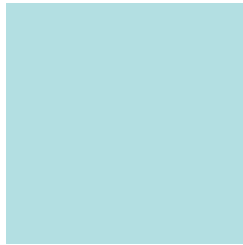
11.9312, 0.3375, 0.1633



0.8316, 0.3347, 0.1617

Previews

White Background



This preview shows how the Yxy color 67.8500, 0.2815, 0.3254 looks on a white background.

Color Contrast Check

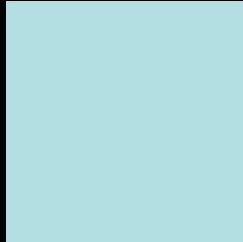
Large Text (above 18pt) WCAG AA × Fail

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 67.8500, 0.2815, 0.3254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

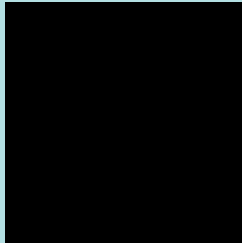
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.8500, 0.2815, 0.3254

Background



This preview shows how black text looks on a background with the Yxy color 67.8500, 0.2815, 0.3254.

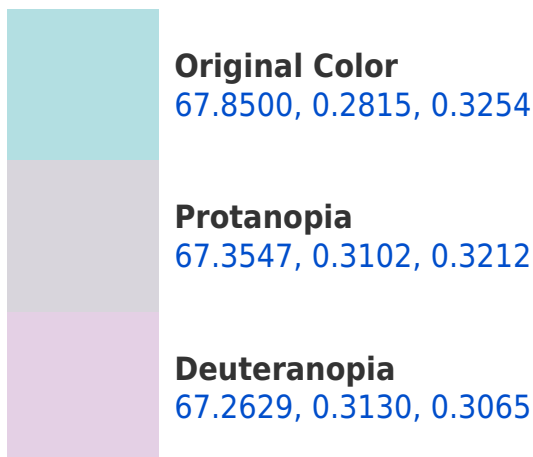


This preview shows how white text looks on a background with the Yxy color 67.8500, 0.2815, 0.3254.

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

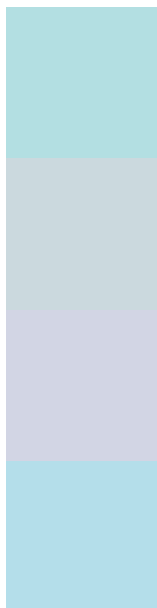




Tritanopia

67.7687, 0.2752, 0.3083

Trichromacy



Original Color

67.8500, 0.2815, 0.3254

Protanomaly

67.5961, 0.2995, 0.3233

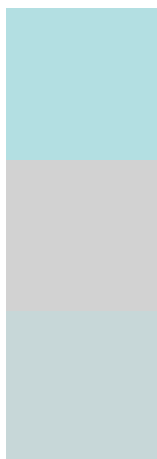
Deuteranomaly

66.8916, 0.3006, 0.3123

Tritanomaly

67.8864, 0.2775, 0.3151

Monochromacy



Original Color

67.8500, 0.2815, 0.3254

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.7009, 0.3006, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8500, 0.2815, 0.3254 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(179, 223, 226)` looks like.

```
.text, #text, p{  
    color:rgb(179, 223, 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(179, 223, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 223, 226) }
```

Border

The CSS property to change the border of an element to Yxy 67.8500, 0.2815, 0.3254 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(179, 223, 226) }
```

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

```
.border{ border-color:rgb(179, 223, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 223, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 223, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 223, 226);  
box-shadow:4px 4px 4px 4px rgb(179, 223,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8500, 0.2815, 0.3254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 223, 226) }
```

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

```
.background{ background-color: rgb(179,  
223, 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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