

Converting Colors

$Yxy(65.7473, 0.2876, 0.3336)$

Have a look what the booklet for
Yxy(65.7473, 0.2876, 0.3336)
contains.

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Color

Yxy(65.8476, 0.2879, 0.3337)

Conversions

Conversions Part 1

Format	Color
Hex	B4DCD8
RGB	180, 220, 216
RGB Percent	71%, 86%, 85%
CMY	0.2941, 0.1372, 0.1530
CMYK	0.18, 0.00, 0.02, 0.14
HSL	174°, 36%, 78%
HSV	174°, 18%, 86%
XYZ	56.8101, 65.8476, 74.6681
YIQ	207.5840, -22.5560, -9.7240

Conversions

Conversions Part 2

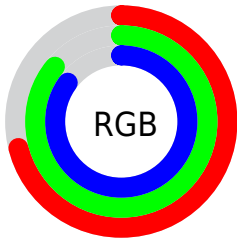
Format	Color
R _{YB}	180, 201, 220
Decimal	11853016
CIE _{Lab}	84.92, -13.82, -2.37
CIE _{LCh}	85, 14.018, 189.738
Y _{xy}	65.8476, 0.2879, 0.3337
Android (android.graphics.Color)	4290043096 (0xFFB4DCD8)
YUV	207.5840, 4.1491, -24.1912
Hunter-Lab	81.1465, -17.0399, 2.2461

Details

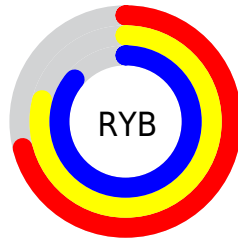
The Yxy color **65.8476, 0.2879, 0.3337** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.3261, 0.3444, 0.3244**, and the grayscale version is **62.7790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **33.9955, 0.2824, 0.3352** is the 20% darker color. If you saturate the color by 10%, you get **63.3022, 0.2755, 0.3366**, and if you desaturate by 10%, it is **68.8191, 0.3013, 0.3310**.

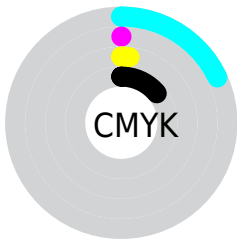
Distribution



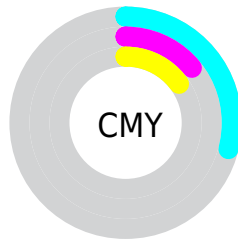
- Red (71%)
- Green (86%)
- Blue (85%)



- Red (71%)
- Yellow (79%)
- Blue (86%)



- Cyan (18%)
- Magenta (0%)
- Yellow (2%)
- Black (14%)





- Cyan (29%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8476, 0.2879, 0.3337 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 65.8476, 0.2879, 0.3337 by changing the saturation by 10% instead.


 65.8476, 0.2879,
0.3337

 65.8476, 0.2879,
0.3337


445.8317, 0.2995,
0.3316

 48.1487, 0.2852,
0.3342


 113.2676, 0.2920,
0.3330

 33.9447, 0.2818,
0.3348

143.7574, 0.2935,
0.3327

 22.8511, 0.2776,
0.3355


179.2797, 0.2949,
0.3324

 14.4836, 0.2719,
0.3364

220.2189, 0.2961,
0.3322

 8.4578, 0.2641,
0.3377

266.9592, 0.2971,
0.3320

 4.3892, 0.2526,
0.3394

319.8852, 0.2980,

 1.8936, 0.2340,

0.3319

379.3812, 0.2988,
0.3317

0.3419

0.5445, 0.1215,
0.3671

0.0000, 0.0000,
0.0000

65.8476, 0.2879,
0.3337

65.8476, 0.2879,
0.3337

63.3022, 0.2755,
0.3366

68.8191, 0.3013,
0.3310

61.1549, 0.2643,
0.3397


72.2269, 0.3153,
0.3286

59.3872, 0.2546,
0.3430


76.0912, 0.3297,
0.3264


57.9758, 0.2466,
0.3463


77.8757, 0.3347,
0.3242

 56.8949, 0.2406,
0.3498

 77.9971, 0.3332,
0.3220


 56.1149, 0.2365,
0.3533


 78.1201, 0.3317,
0.3198

 55.6015, 0.2342,
0.3567

 78.2447, 0.3301,
0.3176

 55.3046, 0.2336,
0.3602

 78.3709, 0.3286,
0.3155

 55.2601, 0.2336,
0.3608

 78.4987, 0.3271,
0.3133

Harmonies

Analogous

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



65.8476, 0.3023, 0.3488



65.8476, 0.2879, 0.3337



65.8476, 0.2801, 0.3177

Triad

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



65.8476, 0.2879, 0.3337



65.8476, 0.3049, 0.3017



65.8476, 0.3457, 0.3518

Complementary

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



65.8476, 0.2879, 0.3337



51.3261, 0.3444, 0.3244

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.



65.8476, 0.3465, 0.3388



65.8476, 0.2879, 0.3337



65.8476, 0.3226, 0.3104

Square

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



65.8476, 0.2879, 0.3337



65.8476, 0.2896, 0.2998



65.8476, 0.3380, 0.3237



65.8476, 0.3358, 0.3591

Rectangle

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



65.8476, 0.2879, 0.3337



65.8476, 0.2795, 0.3089



65.8476, 0.3380, 0.3237



65.8476, 0.3470, 0.3479

Sweetspot

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



65.8503, 0.2879, 0.3337



97.5792, 0.3056, 0.3302



64.7587, 0.3137, 0.3779



20.8159, 0.3046, 0.3304



0.0000, 0.0000, 0.0000



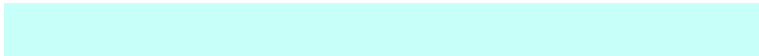
21.4041, 0.3127, 0.3290

Same Dimension

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



65.8503, 0.2879, 0.3337



90.5103, 0.2828, 0.3348



58.3792, 0.2845, 0.3105



14.8058, 0.2996, 0.3313



32.4397, 0.2334, 0.3603



2.1083, 0.2319, 0.3546

Inverse Universe

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



51.3261, 0.3444, 0.3244



66.4466, 0.3533, 0.3233



57.6961, 0.3448, 0.3468



13.0727, 0.3276, 0.3267



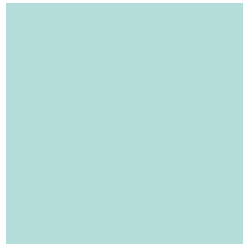
8.9718, 0.6278, 0.3232



0.5886, 0.5971, 0.3063

Previews

White Background



This preview shows how the Yxy color 65.8476, 0.2879, 0.3337 looks on a white background.

Color Contrast Check

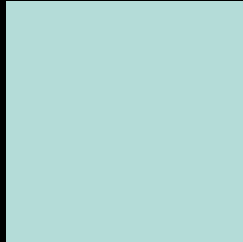
Large Text (above 18pt) WCAG AA × Fail

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 65.8476, 0.2879, 0.3337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

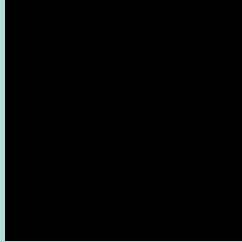
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

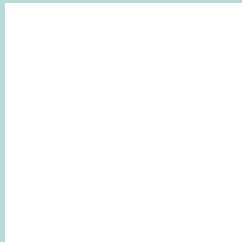
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.8476, 0.2879, 0.3337

Background



This preview shows how black text looks on a background with the Yxy color 65.8476, 0.2879, 0.3337.

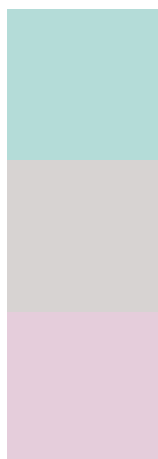


This preview shows how white text looks on a background with the Yxy color 65.8476, 0.2879, 0.3337.

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

65.8476, 0.2879, 0.3337

Protanopia

65.6887, 0.3164, 0.3301

Deuteranopia

65.4351, 0.3210, 0.3139



Tritanopia

65.8142, 0.2790, 0.3082

Trichromacy



Original Color

65.8476, 0.2879, 0.3337

Protanomaly

65.4032, 0.3054, 0.3313

Deuteranomaly

65.0040, 0.3080, 0.3200

Tritanomaly

65.8115, 0.2825, 0.3173

Monochromacy



Original Color

65.8476, 0.2879, 0.3337

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.7959, 0.3032, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8476, 0.2879, 0.3337 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, 220, 216)` looks like.

```
.text, #text, p{  
    color:rgb(180, 220, 216)  
}
```

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, 220, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 220, 216) }
```

Border

The CSS property to change the border of an element to Yxy 65.8476, 0.2879, 0.3337 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, 220, 216) }
```

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

```
.border{ border-color:rgb(180, 220, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 220, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 220, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 220, 216); box-shadow:4px 4px 4px 4px rgb(180, 220, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8476, 0.2879, 0.3337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 220, 216) }
```

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

```
.background{ background-color: rgb(180,  
220, 216) }
```

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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