

Converting Colors

$Yxy(64.7586, 0.2851, 0.3321)$

Have a look what the booklet for
Yxy(64.7586, 0.2851, 0.3321)
contains.

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Color

Yxy(64.8510, 0.2852, 0.3325)

Conversions

Conversions Part 1

Format	Color
Hex	B0DBD8
RGB	176, 219, 216
RGB Percent	69%, 86%, 85%
CMY	0.3100, 0.1411, 0.1529
CMYK	0.20, 0.00, 0.01, 0.14
HSL	176°, 37%, 77%
HSV	176°, 20%, 86%
XYZ	55.6256, 64.8510, 74.5640
YIQ	205.8010, -24.6650, -10.0490

Conversions

Conversions Part 2

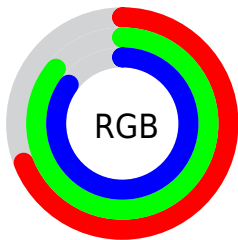
Format	Color
RYB	176, 198, 219
Decimal	11590616
CIELab	84.41, -14.56, -3.17
CIELCh	84, 14.900, 192.290
Yxy	64.8510, 0.2852, 0.3325
Android (android.graphics.Color)	4289780696 (0xFFB0DBD8)
YUV	205.8010, 5.0281, -26.1355
Hunter-Lab	80.5301, -17.6302, 1.4736

Details

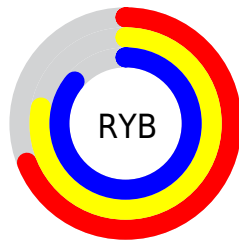
The Yxy color **64.8510, 0.2852, 0.3325** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.3498, 0.3488, 0.3256**, and the grayscale version is **61.5642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **33.3351, 0.2791, 0.3337** is the 20% darker color. If you saturate the color by 10%, you get **62.4256, 0.2726, 0.3345**, and if you desaturate by 10%, it is **67.6943, 0.2988, 0.3306**.

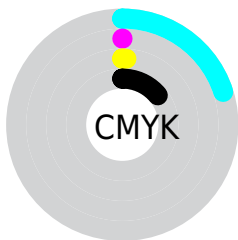
Distribution



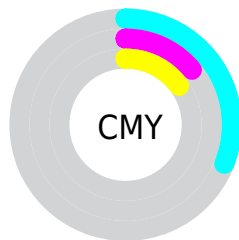
- Red (69%)
- Green (86%)
- Blue (85%)



- Red (69%)
- Yellow (78%)
- Blue (86%)



- Cyan (20%)
- Magenta (0%)
- Yellow (1%)
- Black (14%)





- Cyan (31%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8510, 0.2852, 0.3325 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 64.8510, 0.2852, 0.3325 by changing the saturation by 10% instead.

 64.8510, 0.2852,
0.3325

 64.8510, 0.2852,
0.3325

442.2563, 0.2981,
0.3310

 47.3403, 0.2822,
0.3328


 111.8356, 0.2897,
0.3320

 33.3047, 0.2785,
0.3332


142.0783, 0.2915,
0.3318

 22.3600, 0.2737,
0.3337


177.3337, 0.2930,
0.3316

 14.1217, 0.2674,
0.3343

217.9863, 0.2943,
0.3314

 8.2053, 0.2587,
0.3351

264.4205, 0.2954,
0.3313

 4.2266, 0.2458,
0.3360

317.0206, 0.2964,

 1.8011, 0.2251,

0.3312

376.1711, 0.2973,
0.3311

0.3371

0.4879, 0.0803,
0.3616

0.0000, 0.0000,
0.0000

64.8510, 0.2852,
0.3325

64.8510, 0.2852,
0.3325

62.4256, 0.2726,
0.3345

67.6943, 0.2988,
0.3306

60.3904, 0.2613,
0.3366


70.9658, 0.3132,
0.3289


58.7267, 0.2517,
0.3389


74.6855, 0.3281,
0.3274

57.4111, 0.2437,
0.3412


77.2090, 0.3368,
0.3260

 56.4176, 0.2378,
0.3435

 77.2910, 0.3357,
0.3244


 55.7166, 0.2337,
0.3459


 77.3738, 0.3347,
0.3229


 55.2728, 0.2315,
0.3482

 77.4573, 0.3336,
0.3214

 55.0263, 0.2307,
0.3505

 77.5416, 0.3325,
0.3199

 55.0189, 0.2307,
0.3506

 77.6266, 0.3315,
0.3184

Harmonies

Analogous

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



64.8510, 0.3001, 0.3490



64.8510, 0.2852, 0.3325



64.8510, 0.2776, 0.3156

Triad

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



64.8510, 0.2852, 0.3325



64.8510, 0.3059, 0.3004



64.8510, 0.3474, 0.3542

Complementary

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



64.8510, 0.2852, 0.3325



49.3498, 0.3488, 0.3256

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.



64.8510, 0.3492, 0.3407



64.8510, 0.2852, 0.3325



64.8510, 0.3248, 0.3102

Square

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



64.8510, 0.2852, 0.3325



64.8510, 0.2892, 0.2977



64.8510, 0.3408, 0.3247



64.8510, 0.3361, 0.3615

Rectangle

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



64.8510, 0.2852, 0.3325



64.8510, 0.2775, 0.3065



64.8510, 0.3408, 0.3247



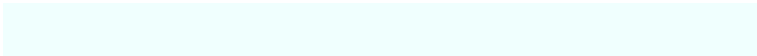
64.8510, 0.3491, 0.3502

Sweetspot

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



64.8537, 0.2852, 0.3325



97.1445, 0.3040, 0.3300



63.4514, 0.3127, 0.3825



20.7293, 0.3030, 0.3301



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.



64.8537, 0.2852, 0.3325



89.9120, 0.2793, 0.3334



56.1483, 0.2821, 0.3070



14.8131, 0.2992, 0.3306



32.6263, 0.2306, 0.3502



2.1185, 0.2296, 0.3464

Inverse Universe

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



49.3498, 0.3488, 0.3256



63.8343, 0.3596, 0.3247



56.7334, 0.3475, 0.3500



13.0661, 0.3281, 0.3274



8.9566, 0.6322, 0.3256



0.5855, 0.6095, 0.3132

Previews

White Background



This preview shows how the Yxy color 64.8510, 0.2852, 0.3325 looks on a white background.

Color Contrast Check

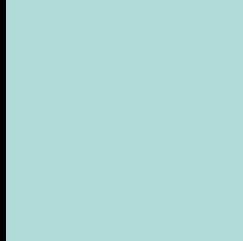
Large Text (above 18pt) WCAG AA × Fail

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 64.8510, 0.2852, 0.3325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

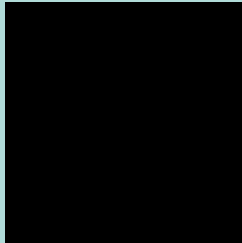
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

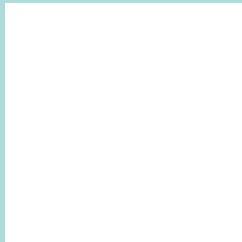
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.8510, 0.2852, 0.3325

Background



This preview shows how black text looks on a background with the Yxy color 64.8510, 0.2852, 0.3325.

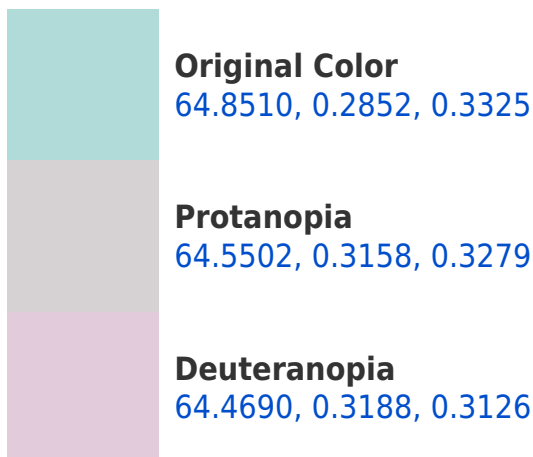


This preview shows how white text looks on a background with the Yxy color 64.8510, 0.2852, 0.3325.

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

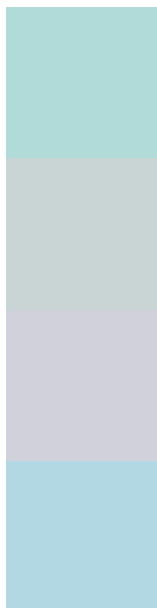




Tritanopia

64.6360, 0.2763, 0.3079

Trichromacy



Original Color

64.8510, 0.2852, 0.3325

Protanomaly

64.6213, 0.3040, 0.3301

Deuteranomaly

64.0728, 0.3058, 0.3188

Tritanomaly

64.6367, 0.2798, 0.3171

Monochromacy



Original Color

64.8510, 0.2852, 0.3325

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.8438, 0.3017, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8510, 0.2852, 0.3325 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, 219, 216)` looks like.

```
.text, #text, p{  
    color:rgb(176, 219, 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(176, 219, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 219, 216) }
```

Border

The CSS property to change the border of an element to Yxy 64.8510, 0.2852, 0.3325 is called "border". The border property can be set on classes, ids or directly on the HTML element.

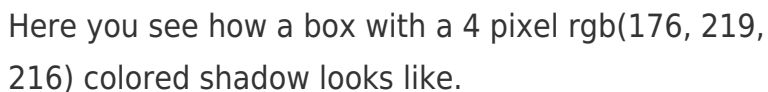
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 219, 216) }
```

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

```
.border{ border-color:rgb(176, 219, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 219, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 219, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 219, 216); box-shadow:4px 4px 4px 4px rgb(176, 219, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8510, 0.2852, 0.3325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 219, 216) }
```

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

```
.background{ background-color: rgb(176,  
219, 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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