

Converting Colors

$Yxy(65.7720, 0.2835, 0.3475)$

Have a look what the booklet for
Yxy(65.7720, 0.2835, 0.3475)
contains.

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Color

Yxy(65.9724, 0.2840, 0.3485)

Conversions

Conversions Part 1

Format	Color
Hex	A6E0D0
RGB	166, 224, 208
RGB Percent	65%, 88%, 82%
CMY	0.3491, 0.1215, 0.1843
CMYK	0.26, 0.00, 0.07, 0.12
HSL	163°, 48%, 76%
HSV	163°, 26%, 88%
XYZ	53.7623, 65.9724, 69.5692
YIQ	204.8340, -29.4320, -17.2720

Conversions

Conversions Part 2

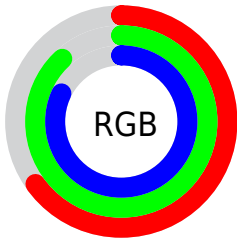
Format	Color
RYB	166, 200, 224
Decimal	10936528
CIELab	84.98, -21.76, 1.85
CIElCh	85, 21.840, 175.145
Yxy	65.9724, 0.2840, 0.3485
Android (android.graphics.Color)	4289126608 (0xFFA6E0D0)
YUV	204.8340, 1.5608, -34.0574
Hunter-Lab	81.2234, -23.9906, 6.0735

Details

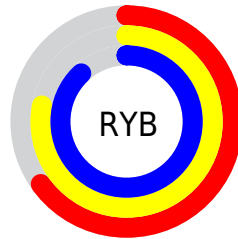
The Yxy color **65.9724, 0.2840, 0.3485** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.4911, 0.3527, 0.3104**, and the grayscale version is **60.9418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **34.1538, 0.2764, 0.3535** is the 20% darker color. If you saturate the color by 10%, you get **63.4633, 0.2743, 0.3573**, and if you desaturate by 10%, it is **68.9204, 0.2946, 0.3404**.

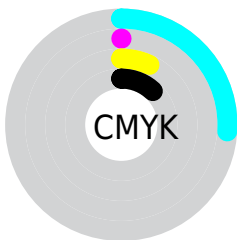
Distribution



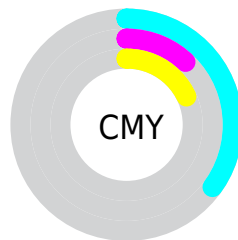
- Red (65%)
- Green (88%)
- Blue (82%)



- Red (65%)
- Yellow (78%)
- Blue (88%)



- Cyan (26%)
- Magenta (0%)
- Yellow (7%)
- Black (12%)



- Cyan (35%)
- Magenta (12%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9724, 0.2840, 0.3485 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 65.9724, 0.2840, 0.3485 by changing the saturation by 10% instead.


 65.9724, 0.2840,
0.3485

 65.9724, 0.2840,
0.3485


446.2782, 0.2975,
0.3393

 48.2500, 0.2808,
0.3507


 113.4467, 0.2888,
0.3452

 34.0249, 0.2769,
0.3534


 143.9674, 0.2906,
0.3440

 22.9127, 0.2719,
0.3569


179.5230, 0.2922,
0.3429

 14.5291, 0.2652,
0.3616

220.4979, 0.2935,
0.3420

 8.4896, 0.2559,
0.3681

267.2765, 0.2947,
0.3412

 4.4098, 0.2421,
0.3779

320.2431, 0.2958,

 1.9053, 0.2197,

0.3405

0.3942

379.7822, 0.2967,
0.3398

0.5516, 0.0000,
0.5392

0.0000, 0.0000,
0.0000

65.9724, 0.2840,
0.3485

65.9724, 0.2840,
0.3485

63.4633, 0.2743,
0.3573

68.9204, 0.2946,
0.3404

61.3630, 0.2658,
0.3667

72.3196, 0.3059,
0.3330

59.6501, 0.2589,
0.3765

76.1918, 0.3175,
0.3264

58.2983, 0.2537,
0.3868

80.4441, 0.3289,
0.3204

■ 57.2776, 0.2505,
0.3972

■ 80.8032, 0.3247,
0.3143

■ 56.5532, 0.2493,
0.4077

■ 81.1747, 0.3206,
0.3084

■ 56.0820, 0.2500,
0.4181

■ 81.5589, 0.3165,
0.3025

■ 55.9317, 0.2506,
0.4223

■ 81.7966, 0.3141,
0.2990

Harmonies

Analogous

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



65.9724, 0.3093, 0.3692



65.9724, 0.2840, 0.3485



65.9724, 0.2668, 0.3227

Triad

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



65.9724, 0.2840, 0.3485



65.9724, 0.2880, 0.2844



65.9724, 0.3668, 0.3545

Complementary

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



65.9724, 0.2840, 0.3485



46.4911, 0.3527, 0.3104

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.



65.9724, 0.3608, 0.3322



65.9724, 0.2840, 0.3485



65.9724, 0.3143, 0.2930

Square

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



65.9724, 0.2840, 0.3485



65.9724, 0.2690, 0.2866



65.9724, 0.3413, 0.3102



65.9724, 0.3576, 0.3715

Rectangle

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



65.9724, 0.2840, 0.3485



65.9724, 0.2618, 0.3068



65.9724, 0.3413, 0.3102



65.9724, 0.3665, 0.3474

Sweetspot

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



65.9751, 0.2840, 0.3485



95.9768, 0.3034, 0.3345



66.0655, 0.3207, 0.4003



20.3909, 0.3017, 0.3356



0.0000, 0.0000, 0.0000



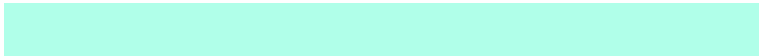
21.4041, 0.3127, 0.3290

Same Dimension

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



65.9751, 0.2840, 0.3485



86.6378, 0.2787, 0.3531



60.2929, 0.2735, 0.3136



15.5044, 0.3018, 0.3356



32.5734, 0.2502, 0.4207



2.2727, 0.2458, 0.4048

Inverse Universe

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



46.4911, 0.3527, 0.3104



56.3576, 0.3639, 0.3064



50.6625, 0.3642, 0.3439



13.7624, 0.3249, 0.3226



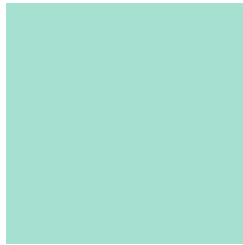
9.4424, 0.5837, 0.2989



0.6694, 0.5395, 0.2746

Previews

White Background



This preview shows how the Yxy color 65.9724, 0.2840, 0.3485 looks on a white background.

Color Contrast Check

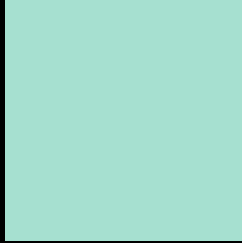
Large Text (above 18pt) WCAG AA × Fail

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 65.9724, 0.2840, 0.3485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

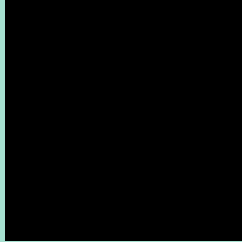
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

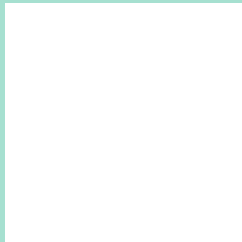
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.9724, 0.2840, 0.3485

Background



This preview shows how black text looks on a background with the Yxy color 65.9724, 0.2840, 0.3485.

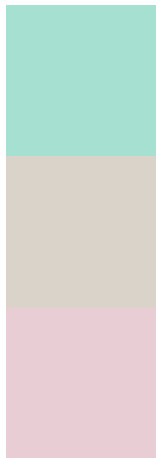


This preview shows how white text looks on a background with the Yxy color 65.9724, 0.2840, 0.3485.

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

65.9724, 0.2840, 0.3485

Protanopia

65.7110, 0.3250, 0.3403

Deuteranopia

65.5719, 0.3284, 0.3215



Tritanopia

66.0715, 0.2708, 0.3091

Trichromacy



Original Color

65.9724, 0.2840, 0.3485

Protanomaly

65.6135, 0.3085, 0.3430

Deuteranomaly

65.2000, 0.3105, 0.3301

Tritanomaly

65.7499, 0.2759, 0.3229

Monochromacy



Original Color

65.9724, 0.2840, 0.3485

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

62.6196, 0.3015, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9724, 0.2840, 0.3485 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(166, 224, 208)` looks like.

```
.text, #text, p{  
    color:rgb(166, 224, 208)  
}
```

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(166, 224, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 224, 208) }
```

Border

The CSS property to change the border of an element to Yxy 65.9724, 0.2840, 0.3485 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(166, 224, 208) }
```

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

```
.border{ border-color:rgb(166, 224, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 224, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 224, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 224, 208);  
box-shadow:4px 4px 4px 4px rgb(166, 224,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9724, 0.2840, 0.3485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 224, 208) }
```

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

```
.background{ background-color: rgb(166,  
224, 208) }
```

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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