

Converting Colors

$Yxy(65.2935, 0.2854, 0.3340)$

Have a look what the booklet for
Yxy(65.2935, 0.2854, 0.3340)
contains.

Yxy(65.3744, 0.2853, 0.3337)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.3744, 0.2853, 0.3337)

Conversions

Conversions Part 1

Format	Color
Hex	B0DCD8
RGB	176, 220, 216
RGB Percent	69%, 86%, 85%
CMY	0.3098, 0.1372, 0.1529
CMYK	0.20, 0.00, 0.02, 0.14
HSL	175°, 39%, 78%
HSV	175°, 20%, 86%
XYZ	55.8925, 65.3744, 74.6408
YIQ	206.3880, -24.9400, -10.5720

Conversions

Conversions Part 2

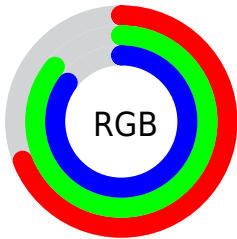
Format	Color
R _Y B	176, 199, 220
Decimal	11590872
CIE Lab	84.68, -15.05, -2.77
CIE LCh	85, 15.304, 190.418
Yxy	65.3744, 0.2853, 0.3337
Android (android.graphics.Color)	4289780952 (0xFFB0DCD8)
YUV	206.3880, 4.7387, -26.6503
Hunter-Lab	80.8544, -18.1031, 1.8645

Details

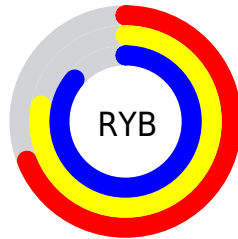
The Yxy color **65.3744, 0.2853, 0.3337** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.5625, 0.3487, 0.3244**, and the grayscale version is **61.9656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **33.6944, 0.2792, 0.3353** is the 20% darker color. If you saturate the color by 10%, you get **62.9141, 0.2730, 0.3364**, and if you desaturate by 10%, it is **68.2569, 0.2986, 0.3312**.

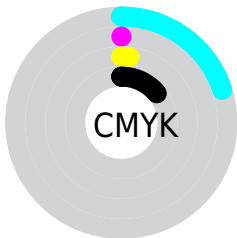
Distribution



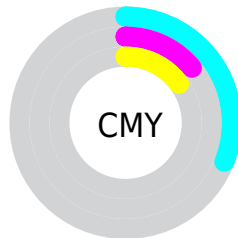
- Red (69%)
- Green (86%)
- Blue (85%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (14%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.3744, 0.2853, 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 65.3744, 0.2853, 0.3337 by changing the saturation by 10% instead.

 65.3744, 0.2853,
0.3337

 65.3744, 0.2853,
0.3337


444.1362, 0.2982,
0.3316

 47.7647, 0.2823,
0.3342


 112.5880, 0.2898,
0.3330

 33.6406, 0.2786,
0.3347


142.9606, 0.2915,
0.3327

 22.6176, 0.2739,
0.3354


178.3564, 0.2930,
0.3325

 14.3114, 0.2676,
0.3363

219.1598, 0.2943,
0.3322

 8.3376, 0.2589,
0.3375

265.7550, 0.2955,
0.3320

 4.3117, 0.2462,
0.3391

318.5266, 0.2965,

 1.8494, 0.2257,

0.3319

377.8588, 0.2974,
0.3317

0.3413

0.5177, 0.0890,
0.3699

0.0000, 0.0000,
0.0000

65.3744, 0.2853,
0.3337

65.3744, 0.2853,
0.3337

62.9141, 0.2730,
0.3364

68.2569, 0.2986,
0.3312

60.8481, 0.2620,
0.3392

71.5722, 0.3127,
0.3290


59.1572, 0.2525,
0.3421


75.3405, 0.3272,
0.3270

57.8178, 0.2448,
0.3452

77.8308, 0.3353,
0.3251


 56.8036, 0.2390,
0.3483


 77.9399, 0.3339,
0.3231


 56.0842, 0.2352,
0.3514

 78.0504, 0.3325,
0.3211

 55.6240, 0.2332,
0.3545

 78.1621, 0.3312,
0.3191

 55.3593, 0.2327,
0.3576

 78.2751, 0.3298,
0.3171

 78.3894, 0.3284,
0.3151

Harmonies

Analogous

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



65.3744, 0.3009, 0.3504



65.3744, 0.2853, 0.3337



65.3744, 0.2770, 0.3162

Triad

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



65.3744, 0.2853, 0.3337



65.3744, 0.3045, 0.2994



65.3744, 0.3486, 0.3541

Complementary

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



65.3744, 0.2853, 0.3337



49.5625, 0.3487, 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.



65.3744, 0.3498, 0.3399



65.3744, 0.2853, 0.3337



65.3744, 0.3239, 0.3090

Square

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



65.3744, 0.2853, 0.3337



65.3744, 0.2878, 0.2971



65.3744, 0.3407, 0.3236



65.3744, 0.3376, 0.3621

Rectangle

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



65.3744, 0.2853, 0.3337



65.3744, 0.2765, 0.3067



65.3744, 0.3407, 0.3236



65.3744, 0.3502, 0.3499

Sweetspot

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



65.3771, 0.2853, 0.3337



97.1236, 0.3041, 0.3303



64.0749, 0.3133, 0.3834



20.7244, 0.3032, 0.3305



0.0000, 0.0000, 0.0000



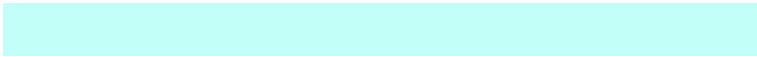
21.4041, 0.3127, 0.3290

Same Dimension

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



65.3771, 0.2853, 0.3337



89.8298, 0.2800, 0.3348



56.8281, 0.2816, 0.3075



14.8081, 0.2994, 0.3311



32.4970, 0.2325, 0.3571



2.1114, 0.2311, 0.3521

Inverse Universe

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



49.5625, 0.3487, 0.3244



63.8950, 0.3585, 0.3234



56.7577, 0.3483, 0.3496



13.0706, 0.3277, 0.3269



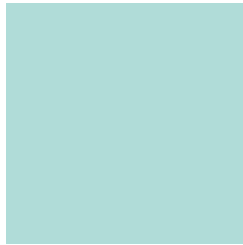
8.9666, 0.6292, 0.3240



0.5877, 0.6009, 0.3084

Previews

White Background



This preview shows how the Yxy color 65.3744, 0.2853, 0.3337 looks on a white background.

Color Contrast Check

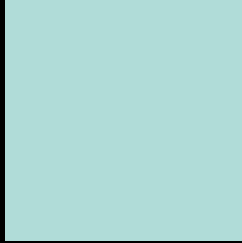
Large Text (above 18pt) WCAG AA × Fail

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 65.3744, 0.2853, 0.3337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

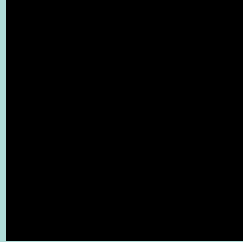
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

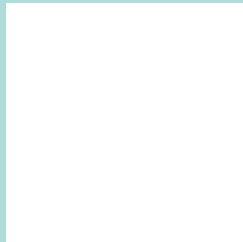
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.3744, 0.2853, 0.3337

Background



This preview shows how black text looks on a background with the Yxy color 65.3744, 0.2853, 0.3337.

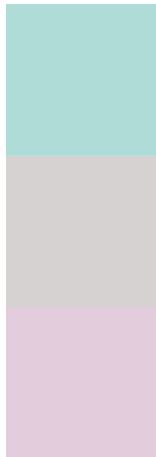


This preview shows how white text looks on a background with the Yxy color 65.3744, 0.2853, 0.3337.

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

65.3744, 0.2853, 0.3337

Protanopia

65.1934, 0.3164, 0.3290

Deuteranopia

64.6311, 0.3196, 0.3127



Tritanopia

65.3272, 0.2765, 0.3080

Trichromacy



Original Color

65.3744, 0.2853, 0.3337

Protanomaly

65.2641, 0.3047, 0.3313

Deuteranomaly

64.5650, 0.3058, 0.3199

Tritanomaly

65.3279, 0.2800, 0.3172

Monochromacy



Original Color

65.3744, 0.2853, 0.3337

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 65.3744, 0.2853, 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(176, 220, 216)` looks like.

```
.text, #text, p{  
    color:rgb(176, 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(176, 220, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 220, 216) }
```

Border

The CSS property to change the border of an element to Yxy 65.3744, 0.2853, 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(176, 220, 216) }
```

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

```
.border{ border-color:rgb(176, 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(176, 220, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 220, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 220, 216);  
box-shadow:4px 4px 4px 4px rgb(176, 220,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3744, 0.2853, 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(176, 220, 216) }
```

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

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