

Converting Colors

$Yxy(65.9159, 0.2955, 0.3343)$

Have a look what the booklet for
Yxy(65.9159, 0.2955, 0.3343)
contains.

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Color

Yxy(65.8167, 0.2950, 0.3336)

Conversions

Conversions Part 1

Format	Color
Hex	BDDAD6
RGB	189, 218, 214
RGB Percent	74%, 85%, 84%
CMY	0.2588, 0.1451, 0.1607
CMYK	0.13, 0.00, 0.02, 0.15
HSL	172°, 28%, 80%
HSV	172°, 13%, 85%
XYZ	58.2012, 65.8167, 73.2743
YIQ	208.8730, -16.0000, -7.3920

Conversions

Conversions Part 2

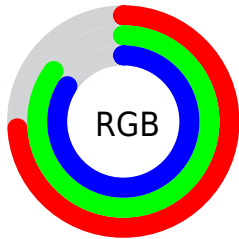
Format	Color
R _Y B	189, 205, 218
Decimal	12442326
CIE Lab	84.90, -10.34, -1.29
CIE LCh	85, 10.419, 187.135
Yxy	65.8167, 0.2950, 0.3336
Android (android.graphics.Color)	4290632406 (0xFFBDDAD6)
YUV	208.8730, 2.5276, -17.4286
Hunter-Lab	81.1275, -13.9164, 3.2385

Details

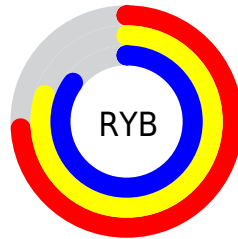
The Yxy color **65.8167, 0.2950, 0.3336** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.1575, 0.3338, 0.3245**, and the grayscale version is **63.6688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **33.8485, 0.2906, 0.3352** is the 20% darker color. If you saturate the color by 10%, you get **63.0865, 0.2825, 0.3374**, and if you desaturate by 10%, it is **68.9742, 0.3082, 0.3301**.

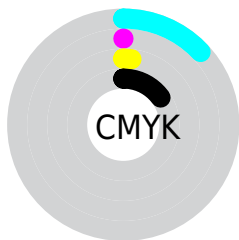
Distribution



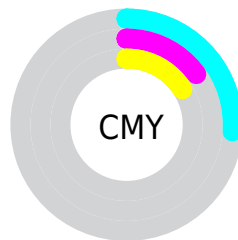
- Red (74%)
- Green (85%)
- Blue (84%)



- Red (74%)
- Yellow (80%)
- Blue (85%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)
- Black (15%)





- Cyan (26%)
- Magenta (15%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8167, 0.2950, 0.3336 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 65.8167, 0.2950, 0.3336 by changing the saturation by 10% instead.

 65.8167, 0.2950,
0.3336

 65.8167, 0.2950,
0.3336


445.7211, 0.3033,
0.3315

 48.1236, 0.2931,
0.3341

 113.2232, 0.2979,
0.3329

 33.9248, 0.2907,
0.3347


143.7054, 0.2990,
0.3326

 22.8358, 0.2876,
0.3355


179.2195, 0.3000,
0.3323

 14.4723, 0.2835,
0.3365

220.1498, 0.3009,
0.3321

 8.4499, 0.2778,
0.3378

266.8807, 0.3016,
0.3319

 4.3842, 0.2694,
0.3398

319.7966, 0.3022,

 1.8907, 0.2558,

0.3318

0.3429

379.2819, 0.3028,
0.3316

0.5428, 0.1771,
0.3648

0.0000, 0.0000,
0.0000

65.8167, 0.2950,
0.3336

65.8167, 0.2950,
0.3336

63.0865, 0.2825,
0.3374

68.9742, 0.3082,
0.3301

60.7567, 0.2711,
0.3416


72.5683, 0.3219,
0.3269

58.8100, 0.2609,
0.3460


76.6182, 0.3359,
0.3241

57.2247, 0.2524,
0.3506


76.8909, 0.3342,
0.3211


 55.9767, 0.2457,
0.3553


 77.0562, 0.3321,
0.3181


 55.0391, 0.2408,
0.3601


 77.2243, 0.3300,
0.3152

 54.3810, 0.2380,
0.3650

 77.3953, 0.3280,
0.3122

 53.9647, 0.2369,
0.3698

 77.5691, 0.3259,
0.3093

 53.7793, 0.2369,
0.3730

 77.7459, 0.3239,
0.3064

Harmonies

Analogous

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



65.8167, 0.3062, 0.3444



65.8167, 0.2950, 0.3336



65.8167, 0.2886, 0.3217

Triad

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



65.8167, 0.2950, 0.3336



65.8167, 0.3058, 0.3082



65.8167, 0.3375, 0.3454

Complementary

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



65.8167, 0.2950, 0.3336



55.1575, 0.3338, 0.3245

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.



65.8167, 0.3375, 0.3355



65.8167, 0.2950, 0.3336



65.8167, 0.3190, 0.3143

Square

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



65.8167, 0.2950, 0.3336



65.8167, 0.2947, 0.3073



65.8167, 0.3306, 0.3242



65.8167, 0.3308, 0.3511

Rectangle

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



65.8167, 0.2950, 0.3336



65.8167, 0.2878, 0.3149



65.8167, 0.3306, 0.3242



65.8167, 0.3383, 0.3424

Sweetspot

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



65.8194, 0.2950, 0.3336



98.0269, 0.3072, 0.3303



65.2021, 0.3142, 0.3636



20.9048, 0.3062, 0.3306



0.0000, 0.0000, 0.0000



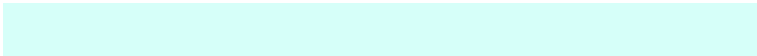
21.4041, 0.3127, 0.3290

Same Dimension

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



65.8194, 0.2950, 0.3336



92.7117, 0.2914, 0.3347



60.9240, 0.2922, 0.3170



14.7973, 0.3000, 0.3322



32.2320, 0.2367, 0.3723



2.0968, 0.2346, 0.3644

Inverse Universe

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



55.1575, 0.3338, 0.3245



74.6104, 0.3391, 0.3234



59.5009, 0.3354, 0.3408



13.0804, 0.3270, 0.3258



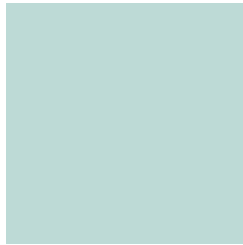
8.9948, 0.6213, 0.3196



0.5923, 0.5834, 0.2987

Previews

White Background



This preview shows how the Yxy color 65.8167, 0.2950, 0.3336 looks on a white background.

Color Contrast Check

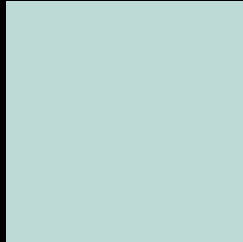
Large Text (above 18pt) WCAG AA × Fail

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 65.8167, 0.2950, 0.3336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

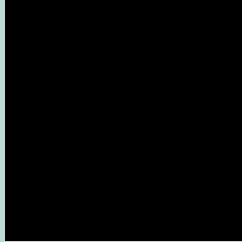
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

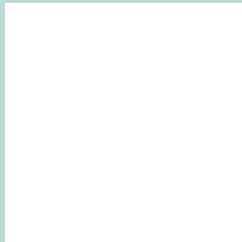
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.8167, 0.2950, 0.3336

Background



This preview shows how black text looks on a background with the Yxy color 65.8167, 0.2950, 0.3336.

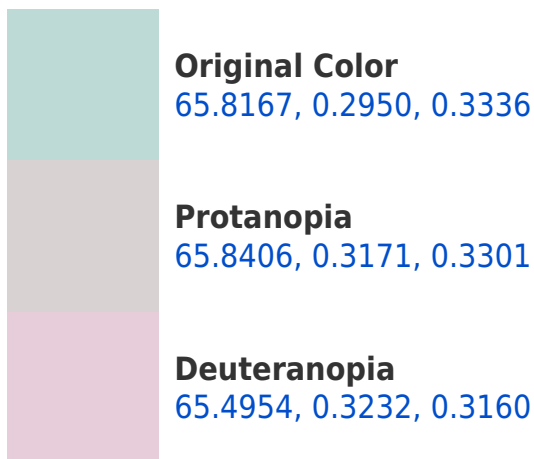


This preview shows how white text looks on a background with the Yxy color 65.8167, 0.2950, 0.3336.

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

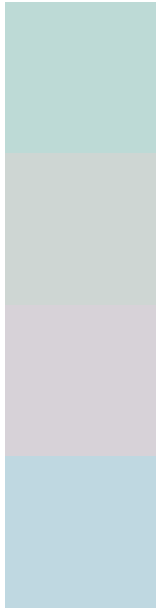




Tritanopia

65.6335, 0.2858, 0.3095

Trichromacy



Original Color

65.8167, 0.2950, 0.3336

Protanomaly

65.9181, 0.3089, 0.3324

Deuteranomaly

65.4981, 0.3123, 0.3223

Tritanomaly

65.6243, 0.2895, 0.3185

Monochromacy



Original Color

65.8167, 0.2950, 0.3336

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.3467, 0.3061, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8167, 0.2950, 0.3336 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(189, 218, 214)` looks like.

```
.text, #text, p{  
    color:rgb(189, 218, 214)  
}
```

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(189, 218, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 218, 214) }
```

Border

The CSS property to change the border of an element to Yxy 65.8167, 0.2950, 0.3336 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(189, 218, 214) }
```

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

```
.border{ border-color:rgb(189, 218, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 218, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 218, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 218, 214);  
box-shadow:4px 4px 4px 4px rgb(189, 218,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8167, 0.2950, 0.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 218, 214) }
```

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

```
.background{ background-color: rgb(189,  
218, 214) }
```

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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