

Converting Colors

$Yxy(67.6233, 0.2918, 0.3367)$

Have a look what the booklet for
Yxy(67.6233, 0.2918, 0.3367)
contains.

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Color

Yxy(67.5147, 0.2912, 0.3360)

Conversions

Conversions Part 1

Format	Color
Hex	B9DED8
RGB	185, 222, 216
RGB Percent	73%, 87%, 85%
CMY	0.2747, 0.1293, 0.1530
CMYK	0.17, 0.00, 0.03, 0.13
HSL	170°, 36%, 80%
HSV	170°, 17%, 87%
XYZ	58.5127, 67.5147, 74.9092
YIQ	210.2530, -20.1260, -9.7100

Conversions

Conversions Part 2

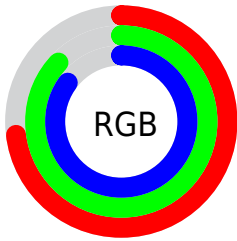
Format	Color
R _{YB}	185, 205, 222
Decimal	12181208
CIE Lab	85.76, -13.29, -1.10
CIE LCh	86, 13.336, 184.751
Yxy	67.5147, 0.2912, 0.3360
Android (android.graphics.Color)	4290371288 (0xFFB9DED8)
YUV	210.2530, 2.8333, -22.1469
Hunter-Lab	82.1673, -16.6800, 3.4644

Details

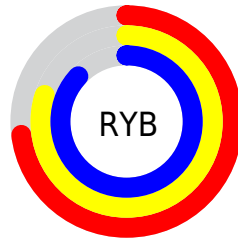
The Yxy color **67.5147, 0.2912, 0.3360** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.9678, 0.3395, 0.3221**, and the grayscale version is **64.6097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **35.0359, 0.2859, 0.3383** is the 20% darker color. If you saturate the color by 10%, you get **64.7849, 0.2793, 0.3407**, and if you desaturate by 10%, it is **70.6853, 0.3039, 0.3317**.

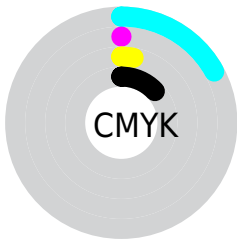
Distribution



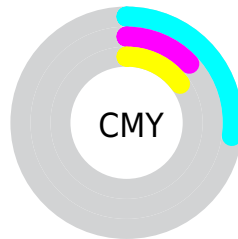
- Red (73%)
- Green (87%)
- Blue (85%)



- Red (73%)
- Yellow (80%)
- Blue (87%)



- Cyan (17%)
- Magenta (0%)
- Yellow (3%)
- Black (13%)



- Cyan (27%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.5147, 0.2912, 0.3360 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 67.5147, 0.2912, 0.3360 by changing the saturation by 10% instead.

67.5147, 0.2912,
0.3360

67.5147, 0.2912,
0.3360

451.7747, 0.3013,
0.3328

49.5030, 0.2889,
0.3367

115.6576, 0.2947,
0.3349

35.0187, 0.2860,
0.3377

146.5576, 0.2961,
0.3344

23.6773, 0.2823,
0.3388

182.5226, 0.2972,
0.3341

15.0944, 0.2774,
0.3403

223.9368, 0.2983,
0.3337

8.8857, 0.2707,
0.3424

271.1847, 0.2992,
0.3334

4.6667, 0.2608,
0.3454


324.6508, 0.2999,

2.0530, 0.2450,


0.3332


0.3502


384.7193, 0.3006,
0.3330

 0.6380, 0.1667,
0.3771


 0.0000, 0.0000,
0.0000


 67.5147, 0.2912,
0.3360

 67.5147, 0.2912,
0.3360

 64.7849, 0.2793,
0.3407


 70.6853, 0.3039,
0.3317


 62.4676, 0.2685,
0.3458

 74.3069, 0.3171,
0.3277

 60.5440, 0.2591,
0.3511

 78.4000, 0.3306,
0.3242

 58.9904, 0.2514,
0.3567

 79.2494, 0.3306,
0.3207

■ 57.7811, 0.2455,
0.3625

■ 79.4547, 0.3282,
0.3171

■ 56.8863, 0.2415,
0.3683

■ 79.6642, 0.3257,
0.3136

■ 56.2718, 0.2395,
0.3741

■ 79.8779, 0.3233,
0.3101

■ 55.8935, 0.2393,
0.3799

■ 80.0959, 0.3209,
0.3066

■ 55.7953, 0.2394,
0.3818

■ 80.3182, 0.3185,
0.3032

Harmonies

Analogous

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



67.5147, 0.3056, 0.3496



67.5147, 0.2912, 0.3360



67.5147, 0.2826, 0.3208

Triad

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



67.5147, 0.2912, 0.3360



67.5147, 0.3027, 0.3024



67.5147, 0.3446, 0.3488

Complementary

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



67.5147, 0.2912, 0.3360



53.9678, 0.3395, 0.3221

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.



67.5147, 0.3438, 0.3359



67.5147, 0.2912, 0.3360



67.5147, 0.3193, 0.3097

Square

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



67.5147, 0.2912, 0.3360



67.5147, 0.2891, 0.3018



67.5147, 0.3345, 0.3218



67.5147, 0.3365, 0.3568

Rectangle

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



67.5147, 0.2912, 0.3360



67.5147, 0.2812, 0.3119



67.5147, 0.3345, 0.3218



67.5147, 0.3453, 0.3449

Sweetspot

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



67.5175, 0.2912, 0.3360



97.5288, 0.3061, 0.3310



66.8453, 0.3150, 0.3734



20.8036, 0.3051, 0.3313



0.0000, 0.0000, 0.0000



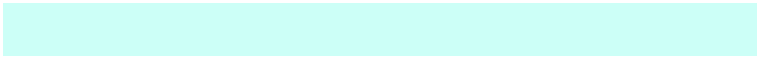
21.4041, 0.3127, 0.3290

Same Dimension

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



67.5175, 0.2912, 0.3360



91.0551, 0.2870, 0.3376



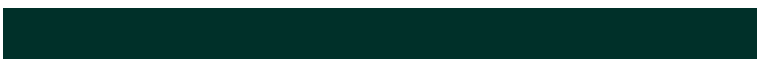
61.5083, 0.2869, 0.3143



15.5321, 0.3003, 0.3328



33.1491, 0.2392, 0.3810



2.3081, 0.2367, 0.3720

Inverse Universe

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



53.9678, 0.3395, 0.3221



69.2136, 0.3463, 0.3206



59.1033, 0.3422, 0.3432



13.7367, 0.3267, 0.3252



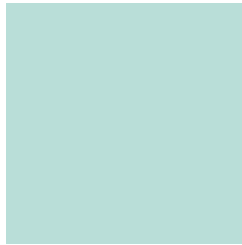
9.3110, 0.6160, 0.3167



0.6566, 0.5768, 0.2951

Previews

White Background



This preview shows how the Yxy color 67.5147, 0.2912, 0.3360 looks on a white background.

Color Contrast Check

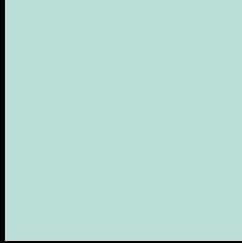
Large Text (above 18pt) WCAG AA × Fail

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 67.5147, 0.2912, 0.3360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

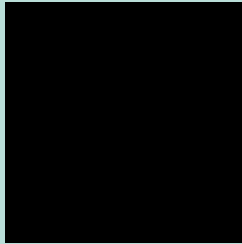
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

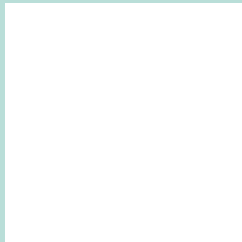
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.5147, 0.2912, 0.3360

Background



This preview shows how black text looks on a background with the Yxy color 67.5147, 0.2912, 0.3360.

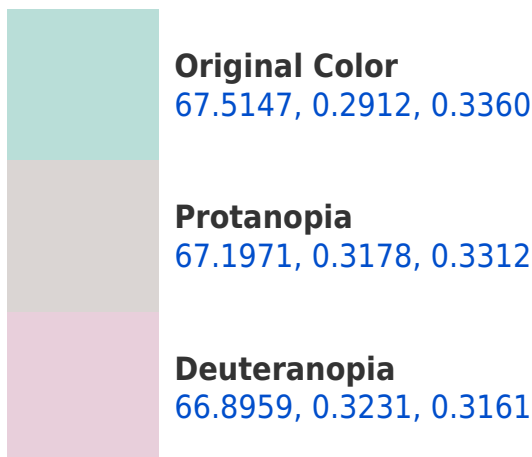


This preview shows how white text looks on a background with the Yxy color 67.5147, 0.2912, 0.3360.

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

67.5380, 0.2817, 0.3096

Trichromacy



Original Color

67.5147, 0.2912, 0.3360

Protanomaly

67.0376, 0.3075, 0.3324

Deuteranomaly

66.5960, 0.3108, 0.3223

Tritanomaly

67.5349, 0.2853, 0.3186

Monochromacy



Original Color

67.5147, 0.2912, 0.3360

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.2641, 0.3047, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5147, 0.2912, 0.3360 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(185, 222, 216)` looks like.

```
.text, #text, p{  
    color:rgb(185, 222, 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(185, 222, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 222, 216) }
```

Border

The CSS property to change the border of an element to Yxy 67.5147, 0.2912, 0.3360 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(185, 222, 216) }
```

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

```
.border{ border-color:rgb(185, 222, 216) }
```

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

Here you see how a box with a 4 pixel rgb(185, 222, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 222, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 222, 216);  
box-shadow:4px 4px 4px 4px rgb(185, 222,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5147, 0.2912, 0.3360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 222, 216) }
```

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

```
.background{ background-color: rgb(185,  
222, 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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