

Converting Colors

$Yxy(67.8504, 0.2927, 0.3395)$

Have a look what the booklet for
Yxy(67.8504, 0.2927, 0.3395)
contains.

Yxy(67.9447, 0.2925, 0.3395)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.9447, 0.2925, 0.3395)

Conversions

Conversions Part 1

Format	Color
Hex	B9DFD6
RGB	185, 223, 214
RGB Percent	73%, 87%, 84%
CMY	0.2744, 0.1255, 0.1608
CMYK	0.17, 0.00, 0.04, 0.13
HSL	166°, 37%, 80%
HSV	166°, 17%, 87%
XYZ	58.5385, 67.9447, 73.6485
YIQ	210.6120, -19.7590, -10.8550

Conversions

Conversions Part 2

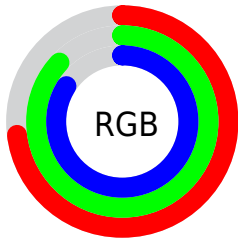
Format	Color
RYB	185, 207, 223
Decimal	12181462
CIELab	85.98, -14.16, 0.26
CIELCh	86, 14.159, 178.935
Yxy	67.9447, 0.2925, 0.3395
Android (android.graphics.Color)	4290371542 (0xFFB9DFD6)
YUV	210.6120, 1.6703, -22.4617
Hunter-Lab	82.4286, -17.4842, 4.7255

Details

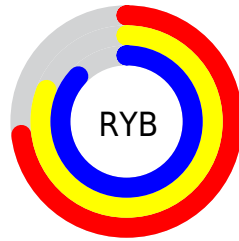
The Yxy color **67.9447, 0.2925, 0.3395** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.2955, 0.3377, 0.3188**, and the grayscale version is **64.8759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **35.3338, 0.2875, 0.3430** is the 20% darker color. If you saturate the color by 10%, you get **65.1219, 0.2815, 0.3465**, and if you desaturate by 10%, it is **71.2169, 0.3042, 0.3331**.

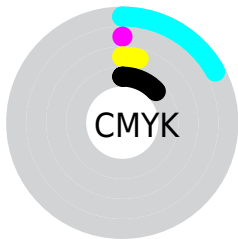
Distribution



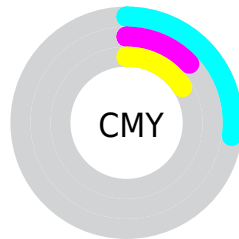
- Red (73%)
- Green (87%)
- Blue (84%)



- Red (73%)
- Yellow (81%)
- Blue (87%)



- Cyan (17%)
- Magenta (0%)
- Yellow (4%)
- Black (13%)



- Cyan (27%)
- Magenta (13%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9447, 0.2925, 0.3395 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 67.9447, 0.2925, 0.3395 by changing the saturation by 10% instead.


 67.9447, 0.2925,
0.3395

 67.9447, 0.2925,
0.3395


453.3001, 0.3020,
0.3346

 49.8527, 0.2903,
0.3406


 116.2730, 0.2958,
0.3378

 35.2964, 0.2876,
0.3421


147.2782, 0.2971,
0.3371

 23.8913, 0.2841,
0.3439


183.3566, 0.2982,
0.3365

 15.2530, 0.2795,
0.3463

224.8925, 0.2991,
0.3361

 8.9971, 0.2732,
0.3496

272.2704, 0.3000,
0.3356

 4.7393, 0.2638,
0.3544

325.8747, 0.3007,

 2.0951, 0.2488,

0.3352

0.3623

386.0898, 0.3014,
0.3349

0.6619, 0.1721,
0.4017

0.0000, 0.0000,
0.0000

67.9447, 0.2925,
0.3395

67.9447, 0.2925,
0.3395

65.1219, 0.2815,
0.3465

71.2169, 0.3042,
0.3331

62.7198, 0.2715,
0.3540


74.9490, 0.3164,
0.3273

60.7192, 0.2629,
0.3620


79.1616, 0.3287,
0.3222

59.0962, 0.2558,
0.3704


80.0400, 0.3273,
0.3170


 57.8244, 0.2505,
0.3791

 80.3502, 0.3238,
0.3119

 56.8738, 0.2472,
0.3880

 80.6695, 0.3203,
0.3068

 56.2093, 0.2459,
0.3968

 80.9981, 0.3168,
0.3017

 55.7852, 0.2464,
0.4055

 81.2540, 0.3142,
0.2980

 55.6825, 0.2467,
0.4082

Harmonies

Analogous

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



67.9447, 0.3085, 0.3530



67.9447, 0.2925, 0.3395



67.9447, 0.2820, 0.3233

Triad

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



67.9447, 0.2925, 0.3395



67.9447, 0.2989, 0.3002



67.9447, 0.3471, 0.3475

Complementary

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



67.9447, 0.2925, 0.3395



54.2955, 0.3377, 0.3188

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.



67.9447, 0.3444, 0.3334



67.9447, 0.2925, 0.3395



67.9447, 0.3162, 0.3066

Square

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



67.9447, 0.2925, 0.3395



67.9447, 0.2856, 0.3010



67.9447, 0.3330, 0.3186



67.9447, 0.3402, 0.3573

Rectangle

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



67.9447, 0.2925, 0.3395



67.9447, 0.2794, 0.3134



67.9447, 0.3330, 0.3186



67.9447, 0.3473, 0.3431

Sweetspot

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



67.9475, 0.2925, 0.3395



97.4685, 0.3066, 0.3319



67.8169, 0.3173, 0.3740



20.7889, 0.3057, 0.3323



0.0000, 0.0000, 0.0000



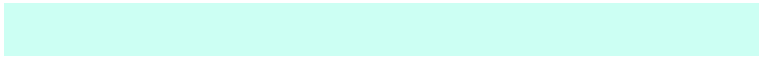
21.4041, 0.3127, 0.3290

Same Dimension

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



67.9475, 0.2925, 0.3395



90.8234, 0.2890, 0.3416



63.4895, 0.2866, 0.3178



15.5139, 0.3013, 0.3346



32.7597, 0.2463, 0.4068



2.2843, 0.2426, 0.3933

Inverse Universe

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



54.2955, 0.3377, 0.3188



69.4079, 0.3434, 0.3168



58.0090, 0.3434, 0.3400



13.7535, 0.3255, 0.3235



9.3892, 0.5962, 0.3058



0.6647, 0.5525, 0.2817

Previews

White Background



This preview shows how the Yxy color 67.9447, 0.2925, 0.3395 looks on a white background.

Color Contrast Check

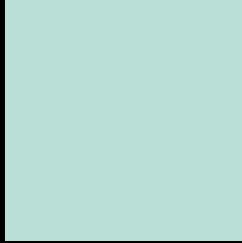
Large Text (above 18pt) WCAG AA × Fail

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 67.9447, 0.2925, 0.3395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

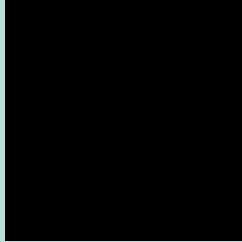
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

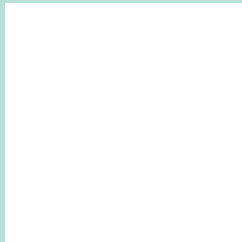
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.9447, 0.2925, 0.3395

Background



This preview shows how black text looks on a background with the Yxy color 67.9447, 0.2925, 0.3395.

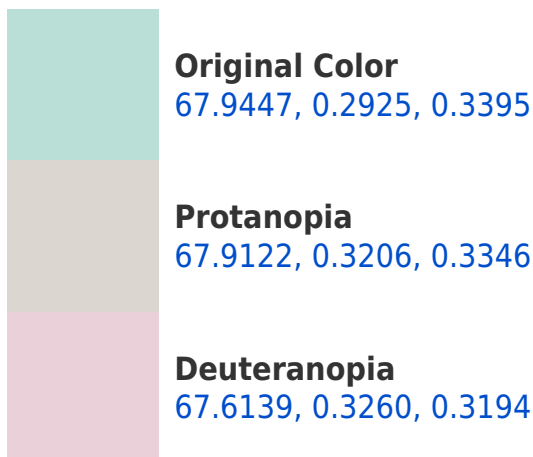


This preview shows how white text looks on a background with the Yxy color 67.9447, 0.2925, 0.3395.

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

68.1196, 0.2812, 0.3096

Trichromacy



Original Color

67.9447, 0.2925, 0.3395

Protanomaly

67.5943, 0.3095, 0.3358

Deuteranomaly

67.1453, 0.3129, 0.3257

Tritanomaly

68.0614, 0.2853, 0.3197

Monochromacy



Original Color

67.9447, 0.2925, 0.3395

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.9109, 0.3053, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9447, 0.2925, 0.3395 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, 223, 214)` looks like.

```
.text, #text, p{  
    color:rgb(185, 223, 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(185, 223, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 223, 214) }
```

Border

The CSS property to change the border of an element to Yxy 67.9447, 0.2925, 0.3395 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, 223, 214) }
```

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

```
.border{ border-color:rgb(185, 223, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 223, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 223, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 223, 214);  
box-shadow:4px 4px 4px 4px rgb(185, 223,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9447, 0.2925, 0.3395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 223, 214) }
```

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

```
.background{ background-color: rgb(185,  
223, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor