

Converting Colors

$Yxy(67.8337, 0.2925, 0.3409)$

Have a look what the booklet for
Yxy(67.8337, 0.2925, 0.3409)
contains.

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Color

Yxy(67.7698, 0.2924, 0.3407)

Conversions

Conversions Part 1

Format	Color
Hex	B8DFD5
RGB	184, 223, 213
RGB Percent	72%, 87%, 84%
CMY	0.2785, 0.1255, 0.1646
CMYK	0.18, 0.00, 0.04, 0.13
HSL	165°, 38%, 80%
HSV	165°, 18%, 87%
XYZ	58.1623, 67.7698, 72.9813
YIQ	210.1990, -20.0340, -11.3780

Conversions

Conversions Part 2

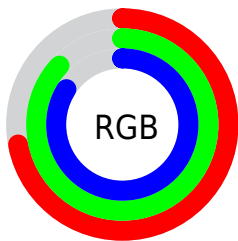
Format	Color
RYB	184, 206, 223
Decimal	12115925
CIELab	85.89, -14.69, 0.64
CIELCh	86, 14.707, 177.491
Yxy	67.7698, 0.2924, 0.3407
Android (android.graphics.Color)	4290306005 (0xFFB8DFD5)
YUV	210.1990, 1.3809, -22.9765
Hunter-Lab	82.3224, -17.9507, 5.0633

Details

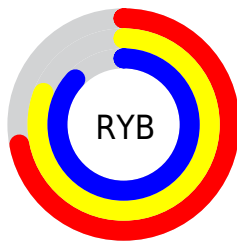
The Yxy color **67.7698, 0.2924, 0.3407** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.8524, 0.3380, 0.3176**, and the grayscale version is **64.5862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **35.2197, 0.2875, 0.3446** is the 20% darker color. If you saturate the color by 10%, you get **64.9480, 0.2817, 0.3483**, and if you desaturate by 10%, it is **71.0415, 0.3038, 0.3338**.

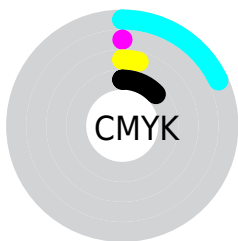
Distribution



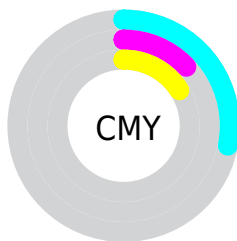
- Red (72%)
- Green (87%)
- Blue (84%)



- Red (72%)
- Yellow (81%)
- Blue (87%)



- Cyan (18%)
- Magenta (0%)
- Yellow (4%)
- Black (13%)





- Cyan (28%)
- Magenta (13%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7698, 0.2924, 0.3407 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 67.7698, 0.2924, 0.3407 by changing the saturation by 10% instead.


 67.7698, 0.2924,
0.3407

 67.7698, 0.2924,
0.3407


452.6800, 0.3019,
0.3352

 49.7105, 0.2902,
0.3420


 116.0228, 0.2957,
0.3388

 35.1834, 0.2874,
0.3436


146.9852, 0.2970,
0.3380

 23.8042, 0.2839,
0.3456

183.0175, 0.2981,
0.3374

 15.1884, 0.2793,
0.3483

224.5039, 0.2991,
0.3368

 8.9517, 0.2729,
0.3520

271.8290, 0.2999,
0.3364

 4.7097, 0.2635,
0.3576

325.3771, 0.3007,

 2.0780, 0.2482,

0.3359

0.3666

385.5327, 0.3013,
0.3356

0.6522, 0.1655,
0.4132

0.0000, 0.0000,
0.0000

67.7698, 0.2924,
0.3407

67.7698, 0.2924,
0.3407

64.9480, 0.2817,
0.3483

71.0415, 0.3038,
0.3338

62.5473, 0.2719,
0.3565


74.7738, 0.3157,
0.3275


60.5485, 0.2635,
0.3652


78.9873, 0.3278,
0.3219


58.9276, 0.2567,
0.3744


80.0872, 0.3268,
0.3163

 57.6579, 0.2516,
0.3838


 80.4238, 0.3230,
0.3108

 56.7092, 0.2486,
0.3934


 80.7711, 0.3192,
0.3053

 56.0460, 0.2475,
0.4031

 81.1292, 0.3155,
0.2999

 55.6206, 0.2483,
0.4126

 81.2602, 0.3142,
0.2980

 55.5322, 0.2486,
0.4150

Harmonies

Analogous

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



67.7698, 0.3092, 0.3545



67.7698, 0.2924, 0.3407



67.7698, 0.2811, 0.3238

Triad

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



67.7698, 0.2924, 0.3407



67.7698, 0.2975, 0.2989



67.7698, 0.3485, 0.3476

Complementary

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



67.7698, 0.2924, 0.3407



53.8524, 0.3380, 0.3176

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.



67.7698, 0.3453, 0.3328



67.7698, 0.2924, 0.3407



67.7698, 0.3154, 0.3053

Square

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



67.7698, 0.2924, 0.3407



67.7698, 0.2840, 0.3001



67.7698, 0.3331, 0.3175



67.7698, 0.3419, 0.3581

Rectangle

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



67.7698, 0.2924, 0.3407



67.7698, 0.2781, 0.3134



67.7698, 0.3331, 0.3175



67.7698, 0.3486, 0.3429

Sweetspot

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



67.7726, 0.2924, 0.3407



97.4532, 0.3067, 0.3322



67.7599, 0.3179, 0.3753



20.7852, 0.3059, 0.3326



0.0000, 0.0000, 0.0000



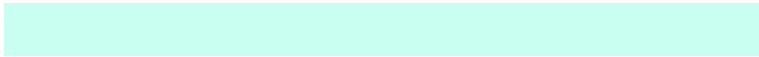
21.4041, 0.3127, 0.3290

Same Dimension

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



67.7726, 0.2924, 0.3407



90.3689, 0.2884, 0.3434



63.5582, 0.2859, 0.3182



15.5093, 0.3016, 0.3351



32.6683, 0.2482, 0.4135



2.2786, 0.2441, 0.3988

Inverse Universe

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



53.8524, 0.3380, 0.3176



68.1573, 0.3445, 0.3151



57.3250, 0.3446, 0.3395



13.7578, 0.3252, 0.3230



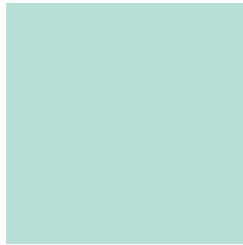
9.4138, 0.5903, 0.3026



0.6669, 0.5463, 0.2783

Previews

White Background



This preview shows how the Yxy color 67.7698, 0.2924, 0.3407 looks on a white background.

Color Contrast Check

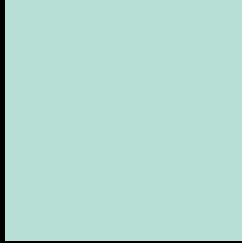
Large Text (above 18pt) WCAG AA × Fail

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 67.7698, 0.2924, 0.3407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

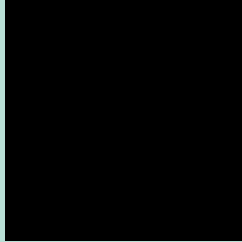
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

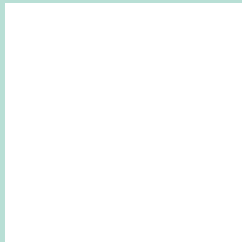
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.7698, 0.2924, 0.3407

Background



This preview shows how black text looks on a background with the Yxy color 67.7698, 0.2924, 0.3407.

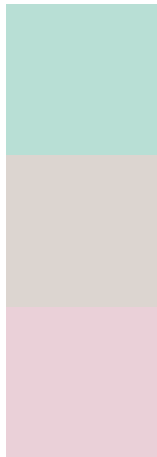


This preview shows how white text looks on a background with the Yxy color 67.7698, 0.2924, 0.3407.

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

67.7698, 0.2924, 0.3407

Protanopia

67.3582, 0.3214, 0.3346

Deuteranopia

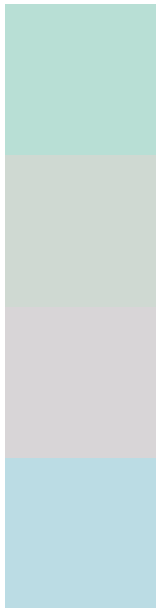
67.5620, 0.3267, 0.3205



Tritanopia

67.4688, 0.2805, 0.3084

Trichromacy



Original Color

67.7698, 0.2924, 0.3407

Protanomaly

67.5442, 0.3102, 0.3370

Deuteranomaly

67.0937, 0.3136, 0.3268

Tritanomaly

67.3526, 0.2852, 0.3197

Monochromacy



Original Color

67.7698, 0.2924, 0.3407

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.7215, 0.3053, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7698, 0.2924, 0.3407 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(184, 223, 213)` looks like.

```
.text, #text, p{  
    color:rgb(184, 223, 213)  
}
```

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(184, 223, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 223, 213) }
```

Border

The CSS property to change the border of an element to Yxy 67.7698, 0.2924, 0.3407 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(184, 223, 213) }
```

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

```
.border{ border-color:rgb(184, 223, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 223, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 223, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 223, 213);  
box-shadow:4px 4px 4px 4px rgb(184, 223,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7698, 0.2924, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 223, 213) }
```

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

```
.background{ background-color: rgb(184,  
223, 213) }
```

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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