

Converting Colors

$Yxy(83.2946, 0.2741, 0.3313)$

Have a look what the booklet for
Yxy(83.2946, 0.2741, 0.3313)
contains.

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Color

Yxy(83.4307, 0.2742, 0.3322)

Conversions

Conversions Part 1

Format	Color
Hex	B4F8F5
RGB	180, 248, 245
RGB Percent	71%, 97%, 96%
CMY	0.2942, 0.0274, 0.0393
CMYK	0.27, 0.00, 0.01, 0.03
HSL	177°, 83%, 84%
HSV	177°, 27%, 97%
XYZ	68.8642, 83.4307, 98.8511
YIQ	227.3260, -39.5650, -15.3490

Conversions

Conversions Part 2

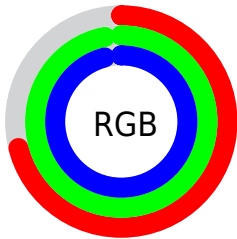
Format	Color
R _Y B	180, 215, 248
Decimal	11860213
CIE Lab	93.20, -21.62, -5.38
CIE LCh	93, 22.282, 193.968
Yxy	83.4307, 0.2742, 0.3322
Android (android.graphics.Color)	4290050293 (0xFFB4F8F5)
YUV	227.3260, 8.7133, -41.5049
Hunter-Lab	91.3404, -25.2693, -0.2270

Details

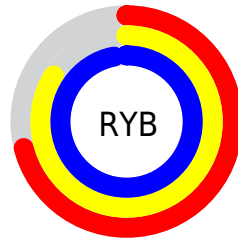
The Yxy color **83.4307, 0.2742, 0.3322** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.0080, 0.3700, 0.3259**, and the grayscale version is **77.0198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **45.2957, 0.2657, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **80.6525, 0.2623, 0.3335**, and if you desaturate by 10%, it is **86.7485, 0.2874, 0.3310**.

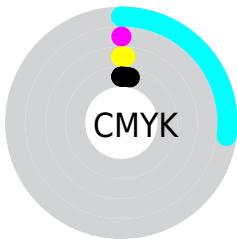
Distribution



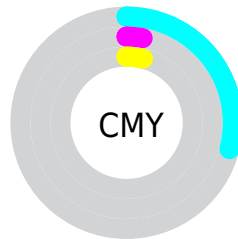
- Red (71%)
- Green (97%)
- Blue (96%)



- Red (71%)
- Yellow (84%)
- Blue (97%)



- Cyan (27%)
- Magenta (0%)
- Yellow (1%)
- Black (3%)




- Cyan (29%)
- Magenta (3%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4307, 0.2742, 0.3322 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 83.4307, 0.2742, 0.3322 by changing the saturation by 10% instead.


 83.4307, 0.2742,
0.3322

 83.4307, 0.2742,
0.3322


506.4208, 0.2914,
0.3310

 62.5455, 0.2704,
0.3324


 138.1785, 0.2801,
0.3318

 45.4736, 0.2658,
0.3327


172.8100, 0.2824,
0.3317

 31.8307, 0.2600,
0.3329


212.7923, 0.2844,
0.3315

 21.2322, 0.2527,
0.3332

258.5099, 0.2861,
0.3314

 13.2938, 0.2430,
0.3335

310.3471, 0.2877,
0.3313

 7.6312, 0.2296,
0.3336

368.6884, 0.2891,

 3.8599, 0.2101,

0.3312

433.9182, 0.2903,
0.3311

0.3333

1.5955, 0.1790,
0.3315

0.3546, 0.0000,
0.3175

83.4307, 0.2742,
0.3322

83.4307, 0.2742,
0.3322

80.6525, 0.2623,
0.3335

86.7485, 0.2874,
0.3310

78.3755, 0.2520,
0.3349

90.6221, 0.3016,
0.3298

76.5719, 0.2436,
0.3364

95.0795, 0.3166,
0.3287

75.2073, 0.2370,
0.3379

95.2666, 0.3164,
0.3277

74.2426, 0.2324,
0.3393

95.3357, 0.3157,
0.3266

73.6316, 0.2297,
0.3408

95.4052, 0.3150,
0.3256

73.3141, 0.2287,
0.3423

95.4751, 0.3144,
0.3245

73.2565, 0.2285,
0.3426

95.5454, 0.3137,
0.3235

95.6161, 0.3131,
0.3224

Harmonies

Analogous

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



83.4307, 0.2939, 0.3556



83.4307, 0.2742, 0.3322



83.4307, 0.2647, 0.3090

Triad

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



83.4307, 0.2742, 0.3322



83.4307, 0.3046, 0.2908



83.4307, 0.3599, 0.3641

Complementary

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



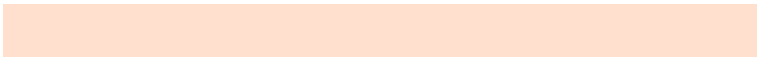
83.4307, 0.2742, 0.3322



56.0080, 0.3700, 0.3259

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.



83.4307, 0.3633, 0.3457



83.4307, 0.2742, 0.3322



83.4307, 0.3306, 0.3044

Square

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



83.4307, 0.2742, 0.3322



83.4307, 0.2816, 0.2864



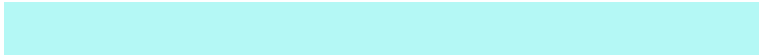
83.4307, 0.3525, 0.3241



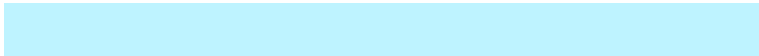
83.4307, 0.3435, 0.3741

Rectangle

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



83.4307, 0.2742, 0.3322



83.4307, 0.2651, 0.2970



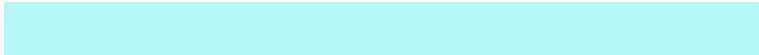
83.4307, 0.3525, 0.3241



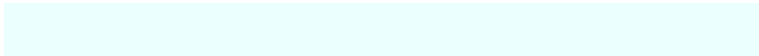
83.4307, 0.3626, 0.3587

Sweetspot

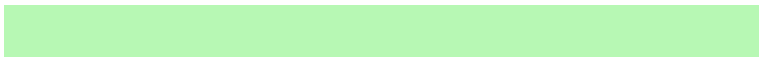
The Sweet Spot groups the original color and five complimentary colors.



83.4341, 0.2742, 0.3322



96.2759, 0.3008, 0.3299



80.5495, 0.3111, 0.4080



20.4667, 0.2986, 0.3300



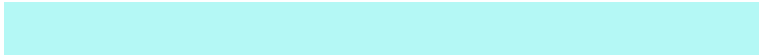
0.0000, 0.0000, 0.0000



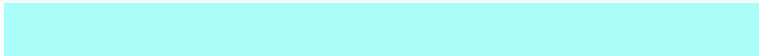
21.4041, 0.3127, 0.3290

Same Dimension

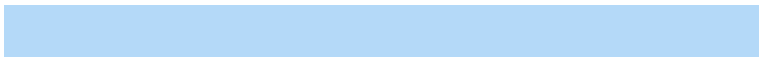
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4341, 0.2742, 0.3322



87.1427, 0.2674, 0.3329



66.3067, 0.2692, 0.2942



19.5945, 0.2986, 0.3300



39.5745, 0.2285, 0.3424



3.6693, 0.2280, 0.3407

Inverse Universe

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



56.0080, 0.3700, 0.3259



53.4081, 0.3866, 0.3253



69.6376, 0.3640, 0.3614



17.2377, 0.3287, 0.3280



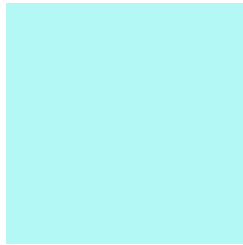
10.7989, 0.6355, 0.3275



1.0044, 0.6245, 0.3214

Previews

White Background



This preview shows how the Yxy color 83.4307, 0.2742, 0.3322 looks on a white background.

Color Contrast Check

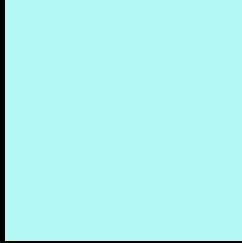
Large Text (above 18pt) WCAG AA × Fail

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 83.4307, 0.2742, 0.3322 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 83.4307, 0.2742, 0.3322

Background



This preview shows how black text looks on a background with the Yxy color 83.4307, 0.2742, 0.3322.

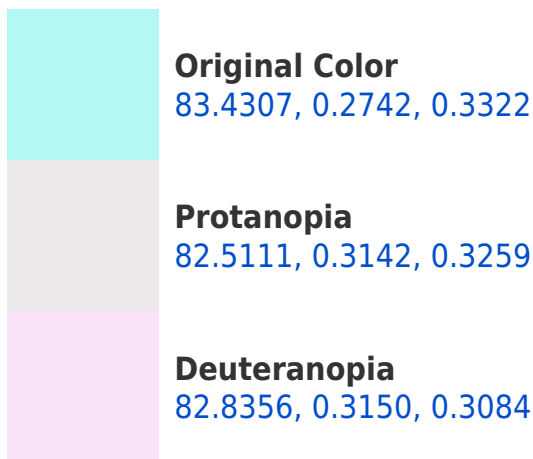


This preview shows how white text looks on a background with the Yxy color 83.4307, 0.2742, 0.3322.

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

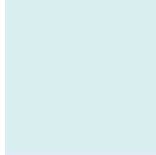
83.4208, 0.2813, 0.3152

Trichromacy



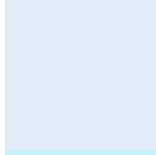
Original Color

83.4307, 0.2742, 0.3322



Protanomaly

82.1328, 0.2985, 0.3279



Deuteranomaly

82.2015, 0.2983, 0.3156



Tritanomaly

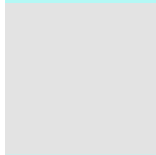
83.2685, 0.2790, 0.3214

Monochromacy



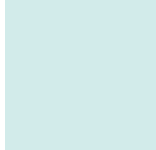
Original Color

83.4307, 0.2742, 0.3322



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.0588, 0.2970, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4307, 0.2742, 0.3322 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(180, 248, 245)` looks like.

```
.text, #text, p{  
    color:rgb(180, 248, 245)  
}
```

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(180, 248, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 248, 245) }
```

Border

The CSS property to change the border of an element to Yxy 83.4307, 0.2742, 0.3322 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(180, 248, 245) }
```

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

```
.border{ border-color:rgb(180, 248, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 248, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 248, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 248, 245); box-shadow:4px 4px 4px 4px rgb(180, 248, 245) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4307, 0.2742, 0.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 248, 245) }
```

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

```
.background{ background-color: rgb(180,  
248, 245) }
```

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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