

Converting Colors

$Yxy(83.3807, 0.2833, 0.3465)$

Have a look what the booklet for
Yxy(83.3807, 0.2833, 0.3465)
contains.

Yxy(83.2753, 0.2836, 0.3466)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.2753, 0.2836, 0.3466)

Conversions

Conversions Part 1

Format	Color
Hex	B9F8E8
RGB	185, 248, 232
RGB Percent	73%, 97%, 91%
CMY	0.2746, 0.0274, 0.0901
CMYK	0.25, 0.00, 0.06, 0.03
HSL	165°, 82%, 85%
HSV	165°, 25%, 97%
XYZ	68.1387, 83.2753, 88.8494
YIQ	227.3390, -32.4120, -18.3320

Conversions

Conversions Part 2

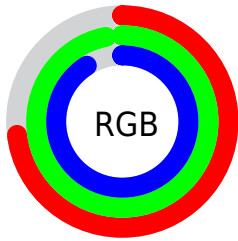
Format	Color
RYB	185, 221, 248
Decimal	12187880
CIELab	93.13, -22.91, 1.27
CIElCh	93, 22.949, 176.828
Yxy	83.2753, 0.2836, 0.3466
Android (android.graphics.Color)	4290377960 (0xFFB9F8E8)
YUV	227.3390, 2.2979, -37.1313
Hunter-Lab	91.2553, -26.4140, 6.1519

Details

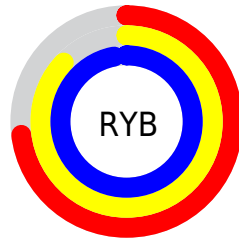
The Yxy color **83.2753, 0.2836, 0.3466** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.8591, 0.3532, 0.3122**, and the grayscale version is **77.0756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **45.1420, 0.2771, 0.3507** is the 20% darker color. If you saturate the color by 10%, you get **80.1082, 0.2736, 0.3547**, and if you desaturate by 10%, it is **87.0000, 0.2946, 0.3392**.

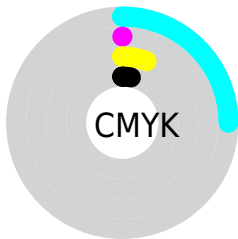
Distribution



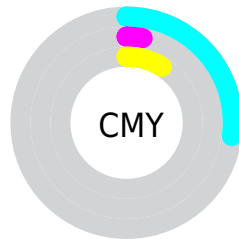
- Red (73%)
- Green (97%)
- Blue (91%)



- Red (73%)
- Yellow (87%)
- Blue (97%)



- Cyan (25%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)





- Cyan (27%)
- Magenta (3%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.2753, 0.2836, 0.3466 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 83.2753, 0.2836, 0.3466 by changing the saturation by 10% instead.

 83.2753, 0.2836,
0.3466

 83.2753, 0.2836,
0.3466

505.9036, 0.2968,
0.3386

 62.4173, 0.2807,
0.3484

 137.9610, 0.2881,
0.3439

 45.3700, 0.2771,
0.3506


172.5574, 0.2899,
0.3428

 31.7489, 0.2726,
0.3533


212.5021, 0.2914,
0.3419

 21.1698, 0.2668,
0.3569

258.1795, 0.2927,
0.3410

 13.2482, 0.2591,
0.3616

309.9740, 0.2939,
0.3403

 7.5997, 0.2483,
0.3684

368.2699, 0.2950,

 3.8399, 0.2322,

0.3397

433.4516, 0.2959,
0.3391

0.3785

1.5844, 0.2054,
0.3956

0.3470, 0.0000,
0.5455

83.2753, 0.2836,
0.3466

83.2753, 0.2836,
0.3466

80.1082, 0.2736,
0.3547

87.0000, 0.2946,
0.3392

77.4603, 0.2648,
0.3633

91.2980, 0.3062,
0.3324

75.3045, 0.2576,
0.3723


95.3578, 0.3155,
0.3263

73.6069, 0.2522,
0.3817

95.6197, 0.3130,
0.3223

 72.3294, 0.2488,
0.3912

 71.4273, 0.2474,
0.4008

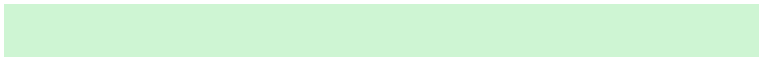
 70.8458, 0.2479,
0.4103

 70.6490, 0.2485,
0.4147

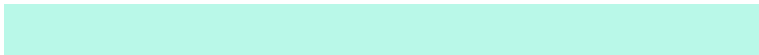
Harmonies

Analogous

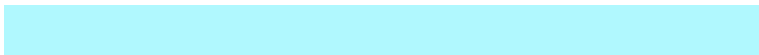
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2753, 0.3079, 0.3671



83.2753, 0.2836, 0.3466



83.2753, 0.2674, 0.3215

Triad

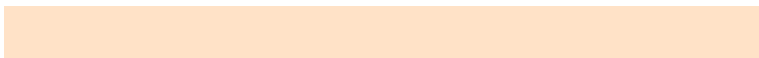
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2753, 0.2836, 0.3466



83.2753, 0.2900, 0.2858



83.2753, 0.3652, 0.3550

Complementary

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



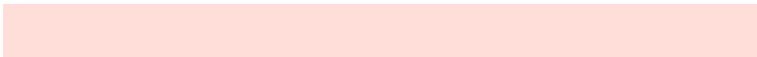
83.2753, 0.2836, 0.3466



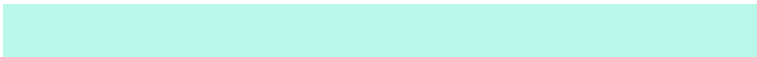
58.8591, 0.3532, 0.3122

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.



83.2753, 0.3602, 0.3335



83.2753, 0.2836, 0.3466



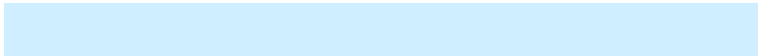
83.2753, 0.3158, 0.2947

Square

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



83.2753, 0.2836, 0.3466



83.2753, 0.2709, 0.2874



83.2753, 0.3418, 0.3118



83.2753, 0.3554, 0.3710

Rectangle

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



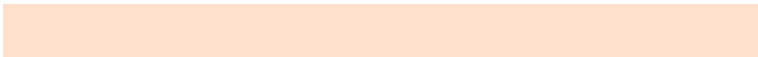
83.2753, 0.2836, 0.3466



83.2753, 0.2630, 0.3063



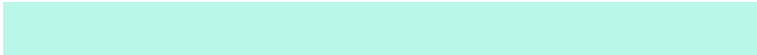
83.2753, 0.3418, 0.3118



83.2753, 0.3652, 0.3482

Sweetspot

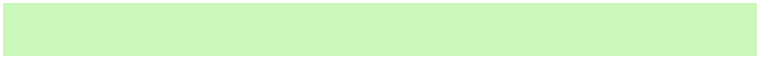
The Sweet Spot groups the original color and five complimentary colors.



83.2787, 0.2836, 0.3466



96.0056, 0.3032, 0.3341



83.1676, 0.3200, 0.3994



20.3982, 0.3014, 0.3351



0.0000, 0.0000, 0.0000



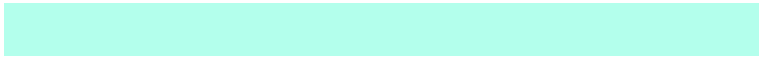
21.4041, 0.3127, 0.3290

Same Dimension

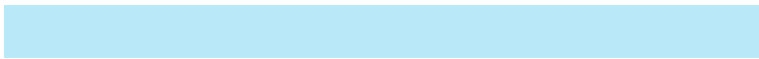
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2787, 0.2836, 0.3466



87.0778, 0.2788, 0.3503



75.5365, 0.2739, 0.3126



19.5290, 0.3014, 0.3351



38.1857, 0.2481, 0.4131



3.5537, 0.2449, 0.4018

Inverse Universe

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



58.8591, 0.3532, 0.3122



57.3722, 0.3632, 0.3090



64.6206, 0.3630, 0.3448



17.2974, 0.3254, 0.3230



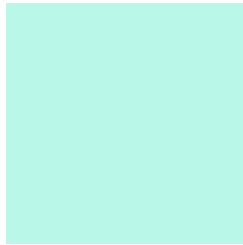
10.9924, 0.5923, 0.3036



1.0344, 0.5591, 0.2853

Previews

White Background



This preview shows how the Yxy color 83.2753, 0.2836, 0.3466 looks on a white background.

Color Contrast Check

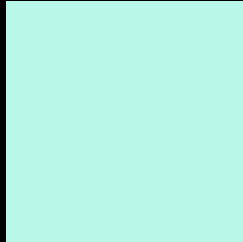
Large Text (above 18pt) WCAG AA × Fail

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 83.2753, 0.2836, 0.3466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

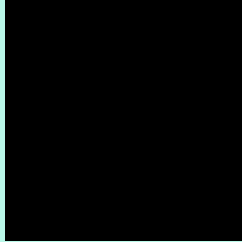
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

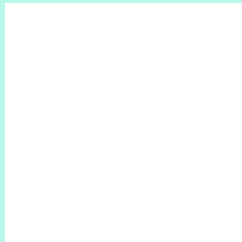
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2753, 0.2836, 0.3466

Background



This preview shows how black text looks on a background with the Yxy color 83.2753, 0.2836, 0.3466.

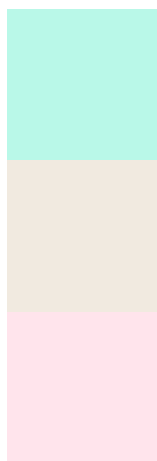


This preview shows how white text looks on a background with the Yxy color 83.2753, 0.2836, 0.3466.

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

83.2753, 0.2836, 0.3466

Protanopia

82.9282, 0.3238, 0.3393

Deuteranopia

82.8029, 0.3263, 0.3212



Tritanopia

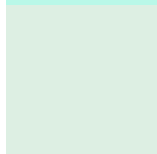
83.1097, 0.2823, 0.3142

Trichromacy



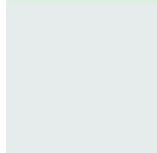
Original Color

83.2753, 0.2836, 0.3466



Protanomaly

82.6512, 0.3082, 0.3417



Deuteranomaly

82.2378, 0.3094, 0.3290



Tritanomaly

83.4225, 0.2828, 0.3257

Monochromacy



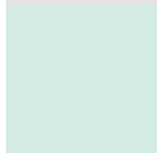
Original Color

83.2753, 0.2836, 0.3466



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.0709, 0.3012, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2753, 0.2836, 0.3466 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, 248, 232)` looks like.

```
.text, #text, p{  
    color:rgb(185, 248, 232)  
}
```

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, 248, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 248, 232) }
```

Border

The CSS property to change the border of an element to Yxy 83.2753, 0.2836, 0.3466 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, 248, 232) }
```

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

```
.border{ border-color:rgb(185, 248, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 248, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 248, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 248, 232);  
box-shadow:4px 4px 4px 4px rgb(185, 248,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2753, 0.2836, 0.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 248, 232) }
```

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

```
.background{ background-color: rgb(185,  
248, 232) }
```

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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