

Converting Colors

$Yxy(84.3671, 0.2837, 0.3367)$

Have a look what the booklet for
Yxy(84.3671, 0.2837, 0.3367)
contains.

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Color

Yxy(84.1503, 0.2838, 0.3365)

Conversions

Conversions Part 1

Format	Color
Hex	C1F7F0
RGB	193, 247, 240
RGB Percent	76%, 97%, 94%
CMY	0.2434, 0.0313, 0.0587
CMYK	0.22, 0.00, 0.03, 0.03
HSL	172°, 77%, 86%
HSV	172°, 22%, 97%
XYZ	70.9713, 84.1503, 94.9535
YIQ	230.0560, -29.9370, -13.6250

Conversions

Conversions Part 2

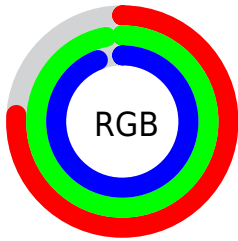
Format	Color
R_{YB}	193, 222, 247
Decimal	12711920
CIE Lab	93.52, -18.44, -2.26
CIE LCh	94, 18.576, 186.985
Yxy	84.1503, 0.2838, 0.3365
Android (android.graphics.Color)	4290902000 (0xFFC1F7F0)
YUV	230.0560, 4.9024, -32.4981
Hunter-Lab	91.7335, -22.4337, 2.8422

Details

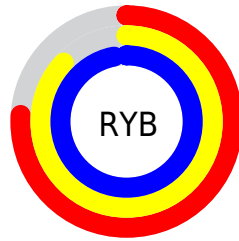
The Yxy color **84.1503, 0.2838, 0.3365** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.0575, 0.3517, 0.3217**, and the grayscale version is **79.1483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **46.1256, 0.2774, 0.3388** is the 20% darker color. If you saturate the color by 10%, you get **80.9869, 0.2720, 0.3404**, and if you desaturate by 10%, it is **87.8661, 0.2966, 0.3329**.

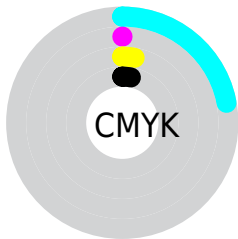
Distribution



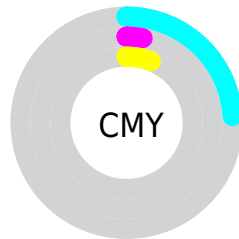
- Red (76%)
- Green (97%)
- Blue (94%)



- Red (76%)
- Yellow (87%)
- Blue (97%)



- Cyan (22%)
- Magenta (0%)
- Yellow (3%)
- Black (3%)





- Cyan (24%)
- Magenta (3%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.1503, 0.2838, 0.3365 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 84.1503, 0.2838, 0.3365 by changing the saturation by 10% instead.


 84.1503, 0.2838,
0.3365

 84.1503, 0.2838,
0.3365

508.8122, 0.2968,
0.3332

 63.1395, 0.2809,
0.3372


 139.1854, 0.2882,
0.3354

 45.9541, 0.2774,
0.3381


173.9785, 0.2900,
0.3350

 32.2096, 0.2731,
0.3391

214.1346, 0.2915,
0.3346

 21.5216, 0.2675,
0.3405

260.0379, 0.2928,
0.3342

 13.5058, 0.2600,
0.3422

312.0730, 0.2940,
0.3339

 7.7778, 0.2497,
0.3445

370.6241, 0.2950,

 3.9531, 0.2345,

0.3337

0.3479

436.0757, 0.2959,
0.3334

1.6474, 0.2096,
0.3528

0.3892, 0.0000,
0.4009

84.1503, 0.2838,
0.3365

84.1503, 0.2838,
0.3365

80.9869, 0.2720,
0.3404

87.8661, 0.2966,
0.3329

78.3385, 0.2616,
0.3445

92.1490, 0.3101,
0.3296

76.1794, 0.2528,
0.3489

94.6695, 0.3163,
0.3265

74.4775, 0.2457,
0.3534

94.8713, 0.3144,
0.3235

■ 73.1967, 0.2407,
0.3580

■ 95.0119, 0.3131,
0.3214

■ 72.2956, 0.2375,
0.3625

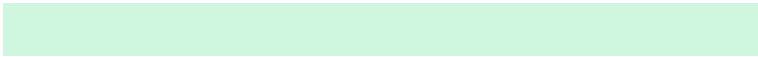
■ 71.7242, 0.2363,
0.3671

■ 71.4408, 0.2363,
0.3707

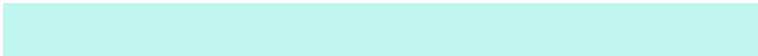
Harmonies

Analogous

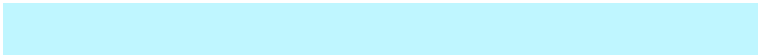
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1503, 0.3019, 0.3548



84.1503, 0.2838, 0.3365



84.1503, 0.2735, 0.3167

Triad

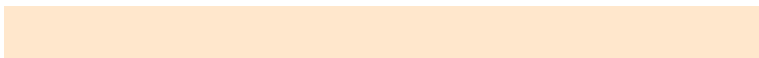
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.1503, 0.2838, 0.3365



84.1503, 0.3011, 0.2953



84.1503, 0.3536, 0.3554

Complementary

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



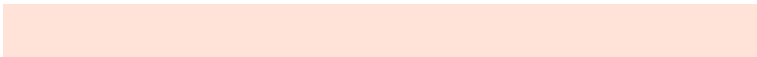
84.1503, 0.2838, 0.3365



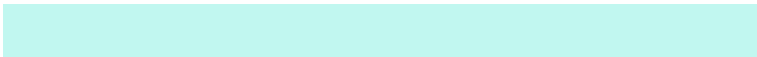
62.0575, 0.3517, 0.3217

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.



84.1503, 0.3536, 0.3390



84.1503, 0.2838, 0.3365



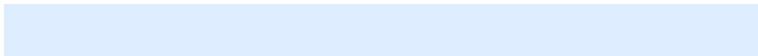
84.1503, 0.3227, 0.3052

Square

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



84.1503, 0.2838, 0.3365



84.1503, 0.2832, 0.2938



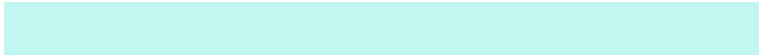
84.1503, 0.3421, 0.3209



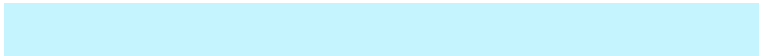
84.1503, 0.3423, 0.3654

Rectangle

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



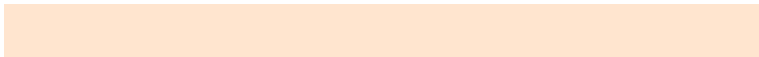
84.1503, 0.2838, 0.3365



84.1503, 0.2722, 0.3056



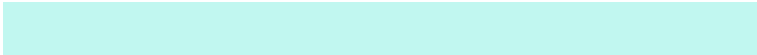
84.1503, 0.3421, 0.3209



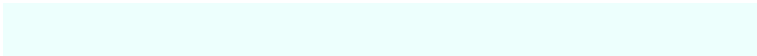
84.1503, 0.3549, 0.3504

Sweetspot

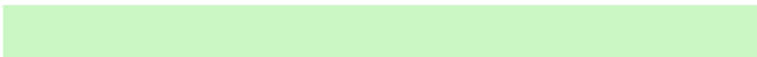
The Sweet Spot groups the original color and five complimentary colors.



84.1538, 0.2838, 0.3365



96.6225, 0.3031, 0.3312



82.6794, 0.3144, 0.3895



20.6220, 0.3023, 0.3314



0.0000, 0.0000, 0.0000



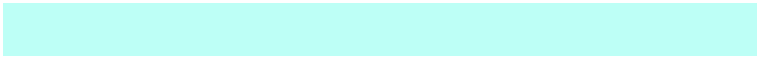
21.4041, 0.3127, 0.3290

Same Dimension

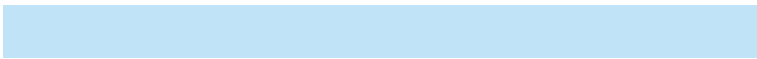
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1538, 0.2838, 0.3365



88.9802, 0.2788, 0.3381



73.0872, 0.2785, 0.3071



18.7187, 0.2998, 0.3321



37.7919, 0.2361, 0.3700



3.3316, 0.2345, 0.3643

Inverse Universe

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



62.0575, 0.3517, 0.3217



61.5703, 0.3614, 0.3202



71.0965, 0.3530, 0.3499



16.5174, 0.3273, 0.3260



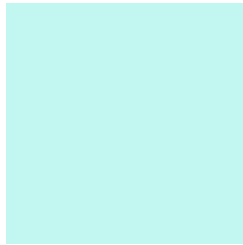
10.5242, 0.6236, 0.3209



0.9358, 0.5957, 0.3055

Previews

White Background



This preview shows how the Yxy color 84.1503, 0.2838, 0.3365 looks on a white background.

Color Contrast Check

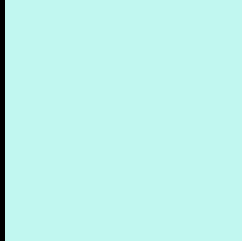
Large Text (above 18pt) WCAG AA × Fail

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 84.1503, 0.2838, 0.3365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

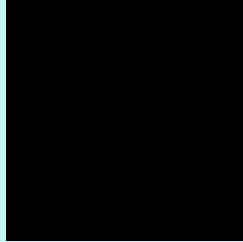
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.1503, 0.2838, 0.3365

Background



This preview shows how black text looks on a background with the Yxy color 84.1503, 0.2838, 0.3365.

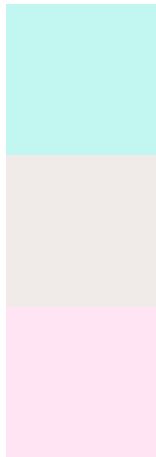


This preview shows how white text looks on a background with the Yxy color 84.1503, 0.2838, 0.3365.

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

84.1503, 0.2838, 0.3365

Protanopia

83.8251, 0.3173, 0.3310

Deuteranopia

83.8303, 0.3209, 0.3144



Tritanopia

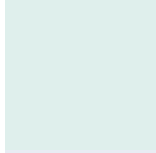
83.8322, 0.2853, 0.3143

Trichromacy



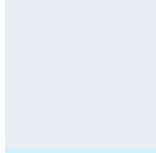
Original Color

84.1503, 0.2838, 0.3365



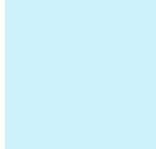
Protanomaly

83.4771, 0.3041, 0.3321



Deuteranomaly

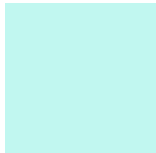
83.6178, 0.3058, 0.3218



Tritanomaly

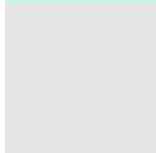
83.8407, 0.2846, 0.3215

Monochromacy



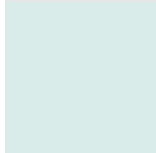
Original Color

84.1503, 0.2838, 0.3365



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

80.6831, 0.3015, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1503, 0.2838, 0.3365 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(193, 247, 240)` looks like.

```
.text, #text, p{  
    color:rgb(193, 247, 240)  
}
```

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(193, 247, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 247, 240) }
```

Border

The CSS property to change the border of an element to Yxy 84.1503, 0.2838, 0.3365 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(193, 247, 240) }
```

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

```
.border{ border-color:rgb(193, 247, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 247, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 247, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 247, 240);  
box-shadow:4px 4px 4px 4px rgb(193, 247,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1503, 0.2838, 0.3365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 247, 240) }
```

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

```
.background{ background-color: rgb(193,  
247, 240) }
```

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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