

Converting Colors

$Yxy(82.1515, 0.2812, 0.3382)$

Have a look what the booklet for
Yxy(82.1515, 0.2812, 0.3382)
contains.

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Color

Yxy(82.4651, 0.2814, 0.3388)

Conversions

Conversions Part 1

Format	Color
Hex	BAF6ED
RGB	186, 246, 237
RGB Percent	73%, 96%, 93%
CMY	0.2706, 0.0353, 0.0705
CMYK	0.24, 0.00, 0.04, 0.04
HSL	171°, 77%, 85%
HSV	171°, 24%, 96%
XYZ	68.4937, 82.4651, 92.4446
YIQ	227.0340, -32.8710, -15.5190

Conversions

Conversions Part 2

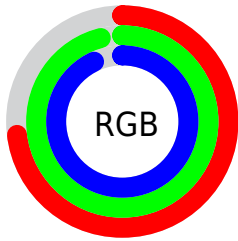
Format	Color
RYB	186, 218, 246
Decimal	12252909
CIELab	92.78, -20.61, -1.83
CIELCh	93, 20.688, 185.075
Yxy	82.4651, 0.2814, 0.3388
Android (android.graphics.Color)	4290442989 (0xFFBAF6ED)
YUV	227.0340, 4.9132, -35.9868
Hunter-Lab	90.8103, -24.2842, 3.2101

Details

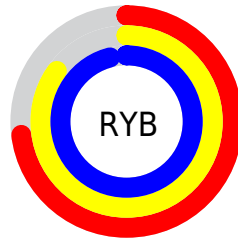
The Yxy color **82.4651, 0.2814, 0.3388** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.6508, 0.3564, 0.3195**, and the grayscale version is **76.8264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **44.9884, 0.2744, 0.3419** is the 20% darker color. If you saturate the color by 10%, you get **79.4350, 0.2702, 0.3434**, and if you desaturate by 10%, it is **86.0368, 0.2937, 0.3345**.

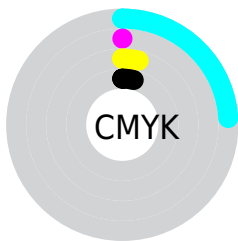
Distribution



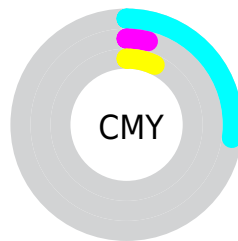
- Red (73%)
- Green (96%)
- Blue (93%)



- Red (73%)
- Yellow (85%)
- Blue (96%)



- Cyan (24%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)





- Cyan (27%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.4651, 0.2814, 0.3388 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 82.4651, 0.2814, 0.3388 by changing the saturation by 10% instead.


 82.4651, 0.2814,
0.3388

 82.4651, 0.2814,
0.3388


503.2021, 0.2955,
0.3345

 61.7490, 0.2783,
0.3397


 136.8260, 0.2862,
0.3373

 44.8299, 0.2744,
0.3409


171.2396, 0.2881,
0.3367

 31.3235, 0.2697,
0.3423


210.9879, 0.2898,
0.3362

 20.8453, 0.2635,
0.3441

256.4551, 0.2912,
0.3358

 13.0110, 0.2554,
0.3465

308.0258, 0.2925,
0.3354

 7.4361, 0.2440,
0.3498

366.0842, 0.2936,

 3.7363, 0.2270,

0.3351

431.0149, 0.2946,
0.3347

0.3545

1.5272, 0.1993,
0.3617

0.3077, 0.0000,
0.3993

82.4651, 0.2814,
0.3388

82.4651, 0.2814,
0.3388

79.4350, 0.2702,
0.3434

86.0368, 0.2937,
0.3345

76.9091, 0.2603,
0.3483

90.1651, 0.3068,
0.3306


74.8611, 0.2520,
0.3534

93.9550, 0.3173,
0.3270


73.2585, 0.2456,
0.3587


94.1859, 0.3151,
0.3235

 72.0644, 0.2412,
0.3640

 94.3935, 0.3131,
0.3204

 71.2360, 0.2387,
0.3694

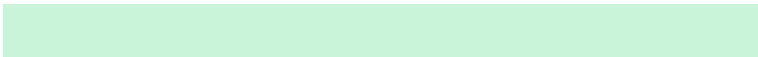
 70.7210, 0.2380,
0.3747

 70.5262, 0.2383,
0.3777

Harmonies

Analogous

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



82.4651, 0.3020, 0.3591



82.4651, 0.2814, 0.3388



82.4651, 0.2693, 0.3164

Triad

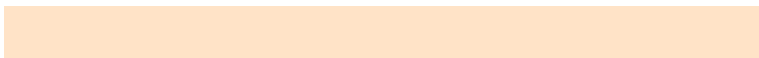
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.4651, 0.2814, 0.3388



82.4651, 0.2982, 0.2911



82.4651, 0.3590, 0.3574

Complementary

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



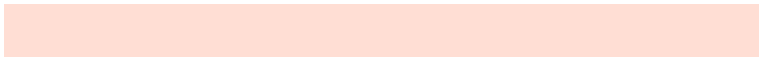
82.4651, 0.2814, 0.3388



58.6508, 0.3564, 0.3195

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.



82.4651, 0.3582, 0.3388



82.4651, 0.2814, 0.3388



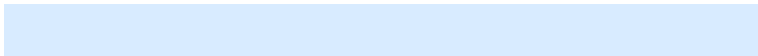
82.4651, 0.3223, 0.3015

Square

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



82.4651, 0.2814, 0.3388



82.4651, 0.2787, 0.2898



82.4651, 0.3445, 0.3186



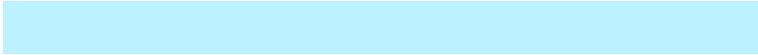
82.4651, 0.3470, 0.3694

Rectangle

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



82.4651, 0.2814, 0.3388



82.4651, 0.2674, 0.3038



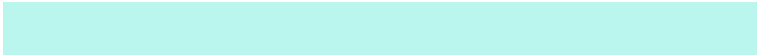
82.4651, 0.3445, 0.3186



82.4651, 0.3602, 0.3517

Sweetspot

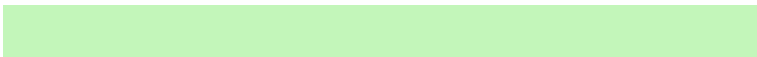
The Sweet Spot groups the original color and five complimentary colors.



82.4685, 0.2814, 0.3388



96.5995, 0.3033, 0.3316



81.0609, 0.3152, 0.3972



20.6166, 0.3025, 0.3318



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

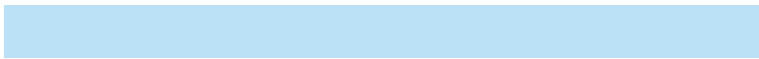
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4685, 0.2814, 0.3388



87.8774, 0.2760, 0.3409



70.9449, 0.2747, 0.3054



18.7127, 0.3001, 0.3326



37.6597, 0.2380, 0.3768



3.3213, 0.2362, 0.3701

Inverse Universe

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



58.6508, 0.3564, 0.3195



58.1391, 0.3677, 0.3176



67.7651, 0.3588, 0.3514



16.5229, 0.3270, 0.3255



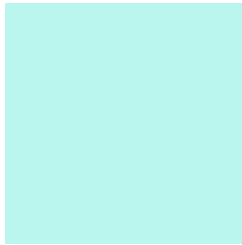
10.5411, 0.6195, 0.3187



0.9384, 0.5895, 0.3021

Previews

White Background



This preview shows how the Yxy color 82.4651, 0.2814, 0.3388 looks on a white background.

Color Contrast Check

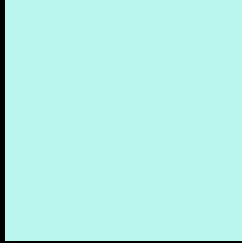
Large Text (above 18pt) WCAG AA × Fail

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 82.4651, 0.2814, 0.3388 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

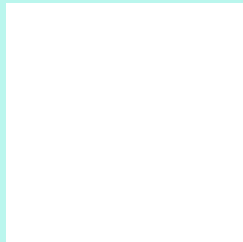
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.4651, 0.2814, 0.3388

Background



This preview shows how black text looks on a background with the Yxy color 82.4651, 0.2814, 0.3388.

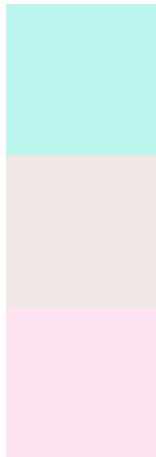


This preview shows how white text looks on a background with the Yxy color 82.4651, 0.2814, 0.3388.

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

82.4651, 0.2814, 0.3388

Protanopia

81.7211, 0.3194, 0.3321

Deuteranopia

81.6262, 0.3217, 0.3142



Tritanopia

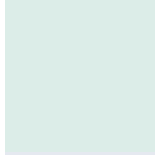
82.2367, 0.2811, 0.3131

Trichromacy



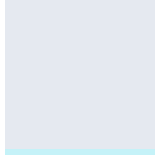
Original Color

82.4651, 0.2814, 0.3388



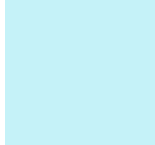
Protanomaly

81.6102, 0.3046, 0.3343



Deuteranomaly

81.2271, 0.3057, 0.3217



Tritanomaly

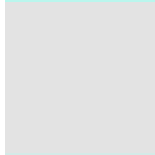
82.1519, 0.2815, 0.3225

Monochromacy



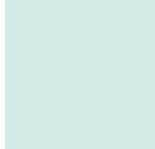
Original Color

82.4651, 0.2814, 0.3388



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

78.6122, 0.3000, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4651, 0.2814, 0.3388 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(186, 246, 237)` looks like.

```
.text, #text, p{  
    color:rgb(186, 246, 237)  
}
```

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(186, 246, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 246, 237) }
```

Border

The CSS property to change the border of an element to Yxy 82.4651, 0.2814, 0.3388 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(186, 246, 237) }
```

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

```
.border{ border-color:rgb(186, 246, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 246, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 246, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 246, 237);  
box-shadow:4px 4px 4px 4px rgb(186, 246,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4651, 0.2814, 0.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 246, 237) }
```

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

```
.background{ background-color: rgb(186,  
246, 237) }
```

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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