

Converting Colors

$Yxy(82.0821, 0.2788, 0.3280)$

Have a look what the booklet for
Yxy(82.0821, 0.2788, 0.3280)
contains.

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Color

Yxy(82.1128, 0.2787, 0.3278)

Conversions

Conversions Part 1

Format	Color
Hex	<code>BDF4F5</code>
RGB	<code>189, 244, 245</code>
RGB Percent	<code>74%, 96%, 96%</code>
CMY	<code>0.2590, 0.0431, 0.0391</code>
CMYK	<code>0.23, 0.00, 0.00, 0.04</code>
HSL	<code>181°, 74%, 85%</code>
HSV	<code>181°, 23%, 96%</code>
XYZ	<code>69.8134, 82.1128, 98.5704</code>
YIQ	<code>227.6690, -33.1010, -11.3490</code>

Conversions

Conversions Part 2

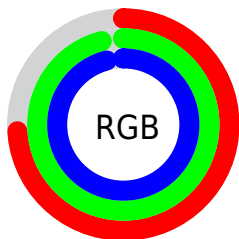
Format	Color
R _Y B	189, 217, 245
Decimal	12449013
CIE Lab	92.62, -17.08, -6.19
CIE LCh	93, 18.165, 199.928
Yxy	82.1128, 0.2787, 0.3278
Android (android.graphics.Color)	4290639093 (0xFFBDF4F5)
YUV	227.6690, 8.5442, -33.9127
Hunter-Lab	90.6161, -21.0564, -1.0632

Details

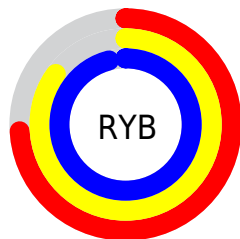
The Yxy color **82.1128, 0.2787, 0.3278** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.9034, 0.3597, 0.3302**, and the grayscale version is **77.2810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **44.7089, 0.2710, 0.3275** is the 20% darker color. If you saturate the color by 10%, you get **78.9787, 0.2656, 0.3272**, and if you desaturate by 10%, it is **85.7834, 0.2930, 0.3284**.

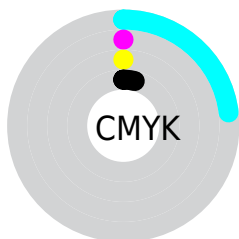
Distribution



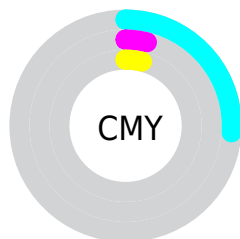
- Red (74%)
- Green (96%)
- Blue (96%)



- Red (74%)
- Yellow (85%)
- Blue (96%)



- Cyan (23%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)





- Cyan (26%)
- Magenta (4%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1128, 0.2787, 0.3278 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 82.1128, 0.2787, 0.3278 by changing the saturation by 10% instead.


 82.1128, 0.2787,
0.3278

 82.1128, 0.2787,
0.3278


502.0249, 0.2940,
0.3285

 61.4585, 0.2753,
0.3276

 136.3322, 0.2839,
0.3281

 44.5953, 0.2712,
0.3273


170.6661, 0.2860,
0.3282

 31.1388, 0.2661,
0.3269


210.3286, 0.2877,
0.3283

 20.7046, 0.2595,
0.3264

255.7042, 0.2893,
0.3284

 12.9082, 0.2508,
0.3255

307.1772, 0.2907,
0.3284

 7.3654, 0.2388,
0.3242


365.1321, 0.2919,


 3.6916, 0.2210,


0.3285


429.9532, 0.2930,
0.3285


0.3217


 1.5026, 0.1924,
0.3164


 0.2906, 0.0000,
0.2794


 82.1128, 0.2787,
0.3278


 82.1128, 0.2787,
0.3278


 78.9787, 0.2656,
0.3272


 85.7834, 0.2930,
0.3284


 76.3446, 0.2541,
0.3266


 90.0053, 0.3082,
0.3289

 74.1849, 0.2442,
0.3260

 93.3606, 0.3192,
0.3293


 72.4678, 0.2363,
0.3254


 93.6281, 0.3191,
0.3297

 71.1576, 0.2303,
0.3248

 93.8963, 0.3191,
0.3302

 70.2129, 0.2262,
0.3242

 94.1650, 0.3191,
0.3306

 69.5839, 0.2239,
0.3236

 94.4344, 0.3190,
0.3310

 69.2749, 0.2231,
0.3232

 94.7045, 0.3190,
0.3314

 94.9752, 0.3190,
0.3319

Harmonies

Analogous

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



82.1128, 0.2936, 0.3472



82.1128, 0.2787, 0.3278



82.1128, 0.2727, 0.3095

Triad

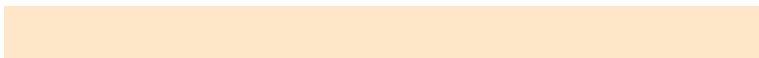
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.1128, 0.2787, 0.3278



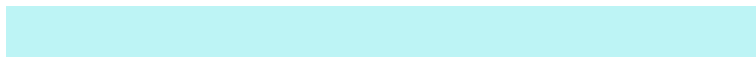
82.1128, 0.3104, 0.2991



82.1128, 0.3494, 0.3603

Complementary

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



82.1128, 0.2787, 0.3278



59.9034, 0.3597, 0.3302

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.



82.1128, 0.3545, 0.3463



82.1128, 0.2787, 0.3278



82.1128, 0.3315, 0.3116

Square

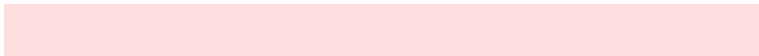
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.1128, 0.2787, 0.3278



82.1128, 0.2905, 0.2938



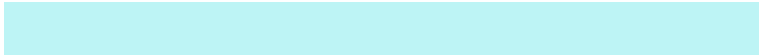
82.1128, 0.3478, 0.3287



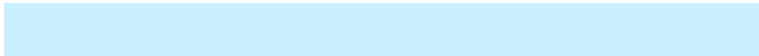
82.1128, 0.3345, 0.3662

Rectangle

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



82.1128, 0.2787, 0.3278



82.1128, 0.2744, 0.3005



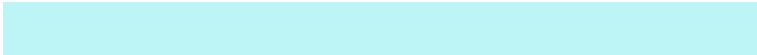
82.1128, 0.3478, 0.3287



82.1128, 0.3524, 0.3563

Sweetspot

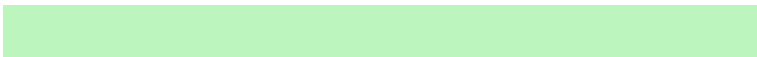
The Sweet Spot groups the original color and five complimentary colors.



82.1161, 0.2787, 0.3278



96.5657, 0.3018, 0.3287



79.8442, 0.3092, 0.3923



20.6087, 0.3009, 0.3286



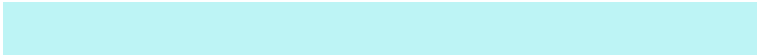
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.1161, 0.2787, 0.3278



88.4102, 0.2731, 0.3276



66.5491, 0.2762, 0.2964



18.7036, 0.2981, 0.3285



37.3366, 0.2231, 0.3233



3.2976, 0.2233, 0.3240

Inverse Universe

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



62.3280, 0.3161, 0.2730



63.5815, 0.3168, 0.2627



73.1930, 0.3532, 0.3596



16.7629, 0.3141, 0.3061



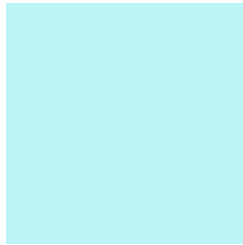
13.8685, 0.3255, 0.1567



1.2205, 0.3248, 0.1563

Previews

White Background



This preview shows how the Yxy color 82.1128, 0.2787, 0.3278 looks on a white background.

Color Contrast Check

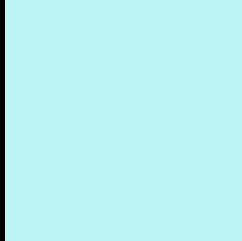
Large Text (above 18pt) WCAG AA × Fail

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 82.1128, 0.2787, 0.3278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

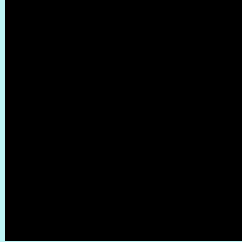
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.1128, 0.2787, 0.3278

Background



This preview shows how black text looks on a background with the Yxy color 82.1128, 0.2787, 0.3278.

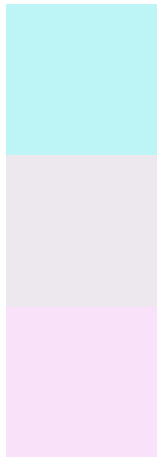


This preview shows how white text looks on a background with the Yxy color 82.1128, 0.2787, 0.3278.

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

82.1128, 0.2787, 0.3278

Protanopia

81.7191, 0.3117, 0.3229

Deuteranopia

81.3720, 0.3138, 0.3063



Tritanopia

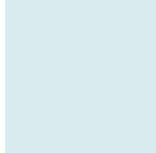
82.0967, 0.2805, 0.3131

Trichromacy



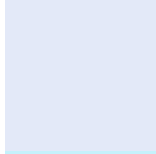
Original Color

82.1128, 0.2787, 0.3278



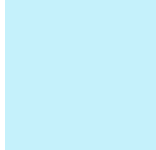
Protanomaly

81.4018, 0.2986, 0.3237



Deuteranomaly

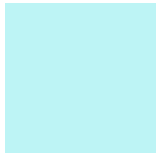
81.3860, 0.2996, 0.3135



Tritanomaly

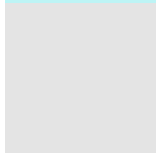
81.7459, 0.2799, 0.3182

Monochromacy



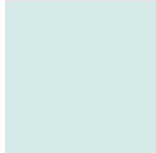
Original Color

82.1128, 0.2787, 0.3278



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.0823, 0.2995, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1128, 0.2787, 0.3278 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(189, 244, 245)` looks like.

```
.text, #text, p{  
    color:rgb(189, 244, 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(189, 244, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 244, 245) }
```

Border

The CSS property to change the border of an element to Yxy 82.1128, 0.2787, 0.3278 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(189, 244, 245) }
```

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

```
.border{ border-color:rgb(189, 244, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 244, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 244, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 244, 245);  
box-shadow:4px 4px 4px 4px rgb(189, 244,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1128, 0.2787, 0.3278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 244, 245) }
```

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

```
.background{ background-color: rgb(189,  
244, 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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