

Converting Colors

$Yxy(82.3835, 0.2839, 0.3247)$

Have a look what the booklet for
Yxy(82.3835, 0.2839, 0.3247)
contains.

Yxy(82.3002, 0.2838, 0.3246)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(82.3002, 0.2838, 0.3246)

Conversions

Conversions Part 1

Format	Color
Hex	C7F2F6
RGB	199, 242, 246
RGB Percent	78%, 95%, 96%
CMY	0.2193, 0.0510, 0.0353
CMYK	0.19, 0.02, 0.00, 0.04
HSL	185°, 72%, 87%
HSV	185°, 19%, 96%
XYZ	71.9556, 82.3002, 99.2876
YIQ	229.5990, -26.9120, -7.8720

Conversions

Conversions Part 2

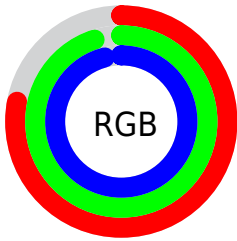
Format	Color
R_{YB}	199, 221, 246
Decimal	13103862
CIE _{Lab}	92.71, -12.87, -6.52
CIE _{LCh}	93, 14.422, 206.865
Yxy	82.3002, 0.2838, 0.3246
Android (android.graphics.Color)	4291293942 (0xFFC7F2F6)
YUV	229.5990, 8.0857, -26.8353
Hunter-Lab	90.7195, -17.1788, -1.3861

Details

The Yxy color **82.3002, 0.2838, 0.3246** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.4807, 0.3495, 0.3334**, and the grayscale version is **78.7852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.7648, 0.2770, 0.3233** is the 20% darker color. If you saturate the color by 10%, you get **77.9566, 0.2698, 0.3220**, and if you desaturate by 10%, it is **87.2090, 0.2987, 0.3270**.

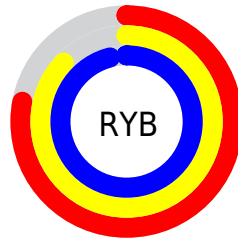
Distribution



Red (78%)

Green (95%)

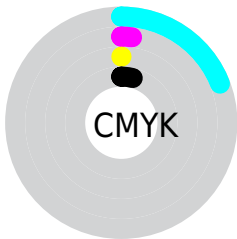
Blue (96%)



Red (78%)

Yellow (87%)

Blue (96%)

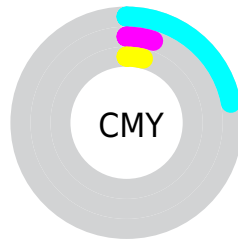


Cyan (19%)

Magenta (2%)

Yellow (0%)

Black (4%)



Cyan (22%)

Magenta (5%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.3002, 0.2838, 0.3246 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 82.3002, 0.2838, 0.3246 by changing the saturation by 10% instead.


 82.3002, 0.2838,
0.3246

 82.3002, 0.2838,
0.3246


502.6513, 0.2968,
0.3268

 61.6130, 0.2809,
0.3241

136.5949, 0.2882,
0.3254

 44.7201, 0.2774,
0.3234


170.9712, 0.2900,
0.3257

 31.2370, 0.2730,
0.3226

210.6794, 0.2915,
0.3259

 20.7794, 0.2674,
0.3215

256.1037, 0.2928,
0.3261

 12.9628, 0.2600,
0.3199

307.6287, 0.2940,
0.3263

 7.4030, 0.2497,
0.3176

365.6387, 0.2950,

 3.7154, 0.2344,

0.3265

0.3138

430.5181, 0.2959,
0.3266

■ 1.5156, 0.2096,
0.3066

■ 0.2997, 0.0000,
0.2771

■ 82.3002, 0.2838,
0.3246

■ 82.3002, 0.2838,
0.3246

■ 77.9566, 0.2698,
0.3220

■ 87.2090, 0.2987,
0.3270

■ 74.1420, 0.2571,
0.3193

■ 92.6974, 0.3142,
0.3292

■ 70.8315, 0.2459,
0.3165

■ 95.2410, 0.3184,
0.3312

■ 67.9941, 0.2364,
0.3135

■ 96.5469, 0.3182,
0.3333

■ 65.5953, 0.2288,
0.3105

■ 97.8675, 0.3181,
0.3353

■ 63.5958, 0.2231,
0.3076

■ 99.2028, 0.3179,
0.3373

■ 61.9489, 0.2194,
0.3046

■ 99.4344, 0.3179,
0.3376

■ 60.5845, 0.2172,
0.3017

■ 60.4646, 0.2171,
0.3015

Harmonies

Analogous

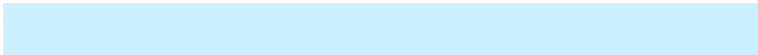
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3002, 0.2943, 0.3401



82.3002, 0.2838, 0.3246



82.3002, 0.2808, 0.3109

Triad

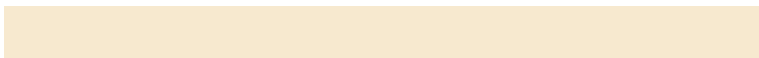
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.3002, 0.2838, 0.3246



82.3002, 0.3149, 0.3069



82.3002, 0.3397, 0.3556

Complementary

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



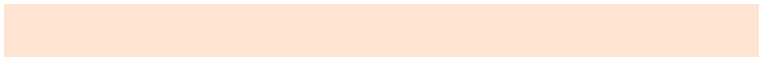
82.3002, 0.2838, 0.3246



66.4807, 0.3495, 0.3334

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.



82.3002, 0.3457, 0.3459



82.3002, 0.2838, 0.3246



82.3002, 0.3311, 0.3181

Square

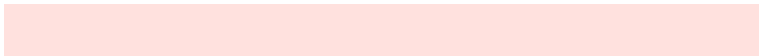
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3002, 0.2838, 0.3246



82.3002, 0.2984, 0.3013



82.3002, 0.3425, 0.3322



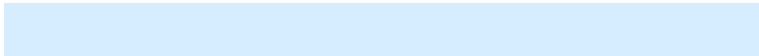
82.3002, 0.3265, 0.3583

Rectangle

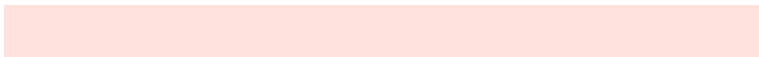
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



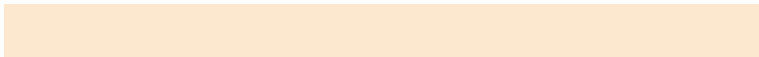
82.3002, 0.2838, 0.3246



82.3002, 0.2835, 0.3046



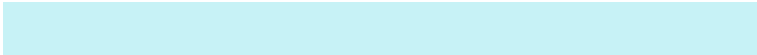
82.3002, 0.3425, 0.3322



82.3002, 0.3427, 0.3530

Sweetspot

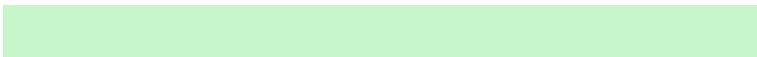
The Sweet Spot groups the original color and five complimentary colors.



82.3036, 0.2838, 0.3246



96.3790, 0.3034, 0.3277



82.3810, 0.3080, 0.3770



20.5477, 0.3024, 0.3275



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.



82.3036, 0.2838, 0.3246



87.3576, 0.2781, 0.3236



69.2787, 0.2823, 0.2988



18.5006, 0.2981, 0.3269



32.3748, 0.2172, 0.3019



2.9156, 0.2182, 0.3056

Inverse Universe

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



66.8872, 0.3178, 0.2854



67.7984, 0.3190, 0.2762



78.3617, 0.3451, 0.3574



16.7424, 0.3151, 0.3076



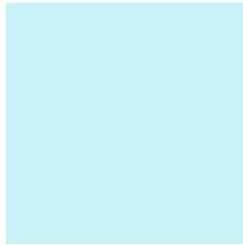
13.3676, 0.3437, 0.1667



1.1820, 0.3405, 0.1650

Previews

White Background



This preview shows how the Yxy color 82.3002, 0.2838, 0.3246 looks on a white background.

Color Contrast Check

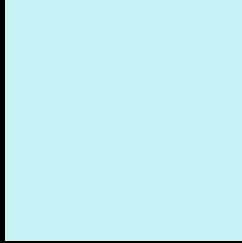
Large Text (above 18pt) WCAG AA × Fail

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 82.3002, 0.2838, 0.3246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

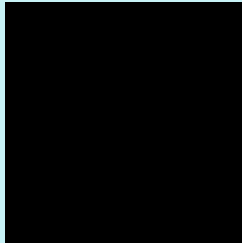
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.3002, 0.2838, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 82.3002, 0.2838, 0.3246.

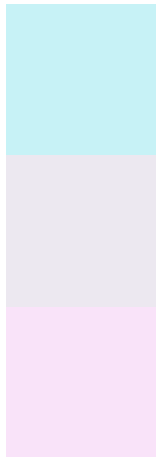


This preview shows how white text looks on a background with the Yxy color 82.3002, 0.2838, 0.3246.

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

82.3002, 0.2838, 0.3246

Protanopia

81.8374, 0.3104, 0.3208

Deuteranopia

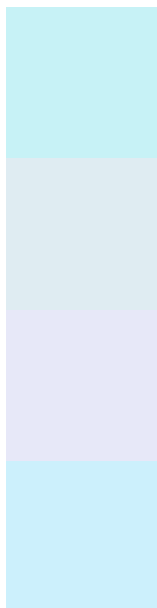
81.9175, 0.3137, 0.3073



Tritanopia

82.2184, 0.2834, 0.3121

Trichromacy



Original Color

82.3002, 0.2838, 0.3246

Protanomaly

82.0897, 0.3006, 0.3227

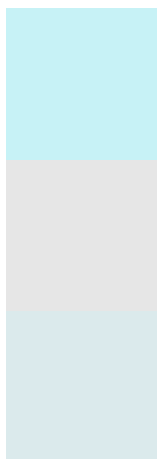
Deuteranomaly

81.4795, 0.3022, 0.3126

Tritanomaly

82.1858, 0.2833, 0.3162

Monochromacy



Original Color

82.3002, 0.2838, 0.3246

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.9618, 0.3016, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3002, 0.2838, 0.3246 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(199, 242, 246)` looks like.

```
.text, #text, p{  
    color:rgb(199, 242, 246)  
}
```

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(199, 242, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 242, 246) }
```

Border

The CSS property to change the border of an element to Yxy 82.3002, 0.2838, 0.3246 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(199, 242, 246) }
```

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

```
.border{ border-color:rgb(199, 242, 246) }
```

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

Here you see how a box with a 4 pixel rgb(199, 242, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 242, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 242, 246);  
box-shadow:4px 4px 4px 4px rgb(199, 242,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3002, 0.2838, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 242, 246) }
```

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

```
.background{ background-color: rgb(199,  
242, 246) }
```

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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