

Converting Colors

$Yxy(83.5206, 0.2871, 0.3295)$

Have a look what the booklet for
Yxy(83.5206, 0.2871, 0.3295)
contains.

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Color

Yxy(83.7290, 0.2873, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	CAF4F3
RGB	202, 244, 243
RGB Percent	79%, 96%, 95%
CMY	0.2076, 0.0432, 0.0471
CMYK	0.17, 0.00, 0.00, 0.04
HSL	179°, 66%, 87%
HSV	179°, 17%, 96%
XYZ	72.8950, 83.7290, 97.1003
YIQ	231.3280, -24.7110, -9.2150

Conversions

Conversions Part 2

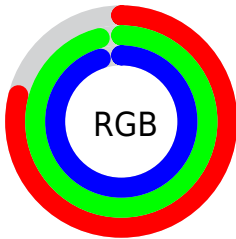
Format	Color
R _Y B	202, 223, 244
Decimal	13300979
CIE Lab	93.33, -13.59, -4.00
CIE LCh	93, 14.165, 196.419
Yxy	83.7290, 0.2873, 0.3300
Android (android.graphics.Color)	4291491059 (0xFFCAF4F3)
YUV	231.3280, 5.7543, -25.7207
Hunter-Lab	91.5036, -17.9318, 1.1361

Details

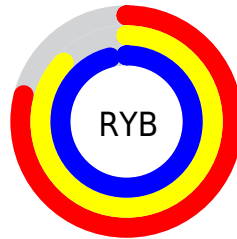
The Yxy color **83.7290, 0.2873, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.8160, 0.3450, 0.3280**, and the grayscale version is **80.1472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7573, 0.2814, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **80.5570, 0.2739, 0.3307**, and if you desaturate by 10%, it is **87.4461, 0.3018, 0.3294**.

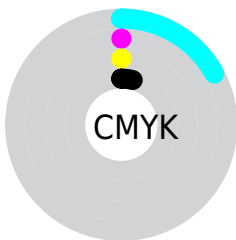
Distribution



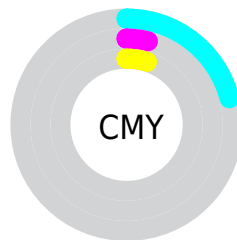
- Red (79%)
- Green (96%)
- Blue (95%)



- Red (79%)
- Yellow (87%)
- Blue (96%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)




- Cyan (21%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7290, 0.2873, 0.3300 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 83.7290, 0.2873, 0.3300 by changing the saturation by 10% instead.

 83.7290, 0.2873,
0.3300

 83.7290, 0.2873,
0.3300


507.4129, 0.2987,
0.3297

 62.7917, 0.2848,
0.3301


138.5960, 0.2912,
0.3299

 45.6727, 0.2817,
0.3301


173.2946, 0.2927,
0.3299

 31.9876, 0.2779,
0.3302


213.3490, 0.2940,
0.3298

 21.3521, 0.2729,
0.3302

259.1436, 0.2952,
0.3298

 13.3816, 0.2664,
0.3302

311.0630, 0.2962,
0.3297

 7.6918, 0.2573,
0.3301

369.4914, 0.2971,

 3.8984, 0.2439,

0.3297

434.8132, 0.2980,
0.3297

0.3297

1.6169, 0.2220,
0.3285

0.3689, 0.0177,
0.3449

83.7290, 0.2873,
0.3300

83.7290, 0.2873,
0.3300

80.5570, 0.2739,
0.3307

87.4461, 0.3018,
0.3294

77.8946, 0.2618,
0.3314


91.7216, 0.3171,
0.3289

75.7180, 0.2513,
0.3321


92.5344, 0.3194,
0.3283

73.9975, 0.2426,
0.3329


92.5703, 0.3191,
0.3277

 72.7000, 0.2359,
0.3336


 92.6062, 0.3187,
0.3272


 71.7880, 0.2311,
0.3344


 92.6423, 0.3183,
0.3266


 71.2177, 0.2282,
0.3352

 92.6785, 0.3180,
0.3260

 70.9319, 0.2269,
0.3360

 92.7148, 0.3176,
0.3255

 70.8779, 0.2267,
0.3362

 92.7512, 0.3173,
0.3249

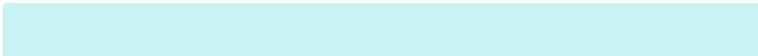
Harmonies

Analogous

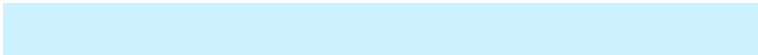
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7290, 0.2997, 0.3446



83.7290, 0.2873, 0.3300



83.7290, 0.2817, 0.3155

Triad

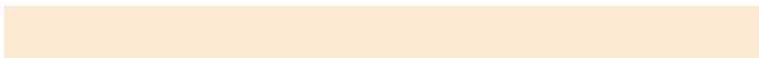
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7290, 0.2873, 0.3300



83.7290, 0.3090, 0.3048



83.7290, 0.3421, 0.3524

Complementary

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



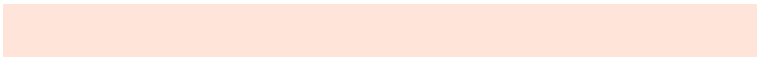
83.7290, 0.2873, 0.3300



65.8160, 0.3450, 0.3280

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.



83.7290, 0.3448, 0.3411



83.7290, 0.2873, 0.3300



83.7290, 0.3255, 0.3141

Square

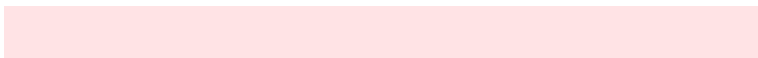
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7290, 0.2873, 0.3300



83.7290, 0.2940, 0.3015



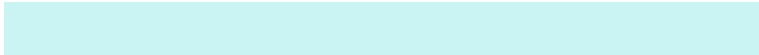
83.7290, 0.3387, 0.3272



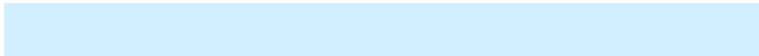
83.7290, 0.3313, 0.3576

Rectangle

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



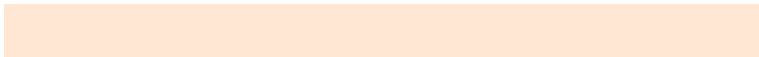
83.7290, 0.2873, 0.3300



83.7290, 0.2824, 0.3080



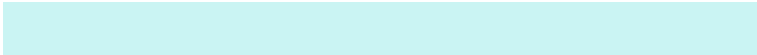
83.7290, 0.3387, 0.3272



83.7290, 0.3440, 0.3491

Sweetspot

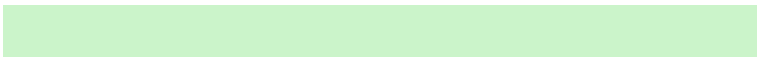
The Sweet Spot groups the original color and five complimentary colors.



83.7325, 0.2873, 0.3300



97.6418, 0.3051, 0.3293



81.7253, 0.3114, 0.3756



20.8311, 0.3040, 0.3293



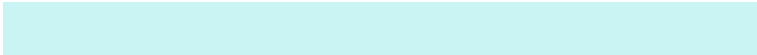
0.0000, 0.0000, 0.0000



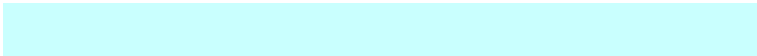
21.4041, 0.3127, 0.3290

Same Dimension

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



83.7325, 0.2873, 0.3300



91.1373, 0.2820, 0.3303



72.6358, 0.2857, 0.3076



18.7505, 0.2984, 0.3295



38.5450, 0.2267, 0.3361



3.3899, 0.2264, 0.3351

Inverse Universe

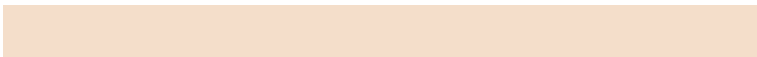
The Inverse Universe completely reimagines the original color for something new.



65.8160, 0.3450, 0.3280



67.5427, 0.3542, 0.3278



75.5446, 0.3424, 0.3495



16.4890, 0.3290, 0.3285



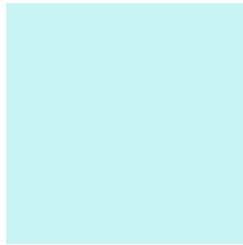
10.4677, 0.6376, 0.3286



0.9222, 0.6312, 0.3251

Previews

White Background



This preview shows how the Yxy color 83.7290, 0.2873, 0.3300 looks on a white background.

Color Contrast Check

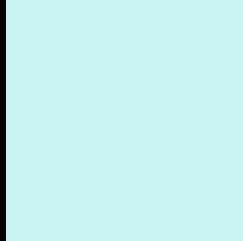
Large Text (above 18pt) WCAG AA × Fail

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 83.7290, 0.2873, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

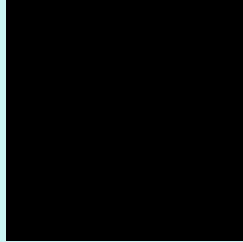
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.7290, 0.2873, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 83.7290, 0.2873, 0.3300.

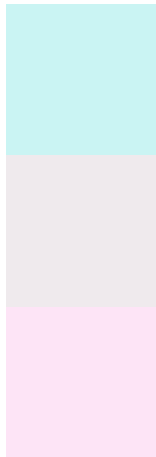


This preview shows how white text looks on a background with the Yxy color 83.7290, 0.2873, 0.3300.

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

83.7290, 0.2873, 0.3300

Protanopia

83.3108, 0.3142, 0.3260

Deuteranopia

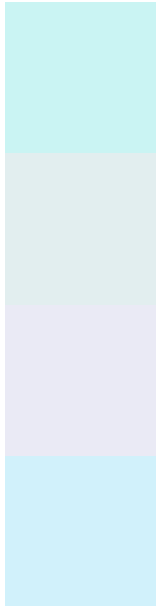
83.0233, 0.3183, 0.3114



Tritanopia

83.6863, 0.2870, 0.3134

Trichromacy



Original Color

83.7290, 0.2873, 0.3300

Protanomaly

83.5498, 0.3043, 0.3279

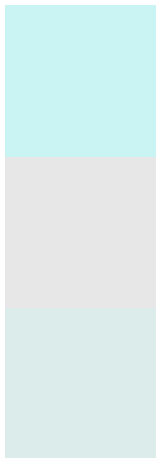
Deuteranomaly

82.9306, 0.3059, 0.3178

Tritanomaly

83.4309, 0.2869, 0.3184

Monochromacy



Original Color

83.7290, 0.2873, 0.3300

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

81.2047, 0.3028, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7290, 0.2873, 0.3300 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(202, 244, 243)` looks like.

```
.text, #text, p{  
    color:rgb(202, 244, 243)  
}
```

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(202, 244, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 244, 243) }
```

Border

The CSS property to change the border of an element to Yxy 83.7290, 0.2873, 0.3300 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(202, 244, 243) }
```

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

```
.border{ border-color:rgb(202, 244, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 244, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 244, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 244, 243);  
box-shadow:4px 4px 4px 4px rgb(202, 244,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7290, 0.2873, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 244, 243) }
```

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

```
.background{ background-color: rgb(202,  
244, 243) }
```

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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