

Converting Colors

$Yxy(83.7541, 0.2883, 0.3301)$

Have a look what the booklet for
Yxy(83.7541, 0.2883, 0.3301)
contains.

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Color

Yxy(83.8689, 0.2878, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	CBF4F3
RGB	203, 244, 243
RGB Percent	80%, 96%, 95%
CMY	0.2042, 0.0431, 0.0470
CMYK	0.17, 0.00, 0.00, 0.04
HSL	179°, 65%, 88%
HSV	179°, 17%, 96%
XYZ	73.1438, 83.8689, 97.1354
YIQ	231.6270, -24.1150, -9.0030

Conversions

Conversions Part 2

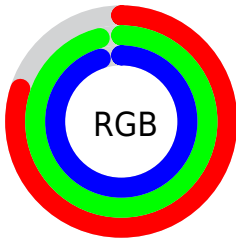
Format	Color
R _{YB}	203, 224, 244
Decimal	13366515
CIE _{Lab}	93.39, -13.33, -3.92
CIE _{LCh}	93, 13.895, 196.397
Yxy	83.8689, 0.2878, 0.3300
Android (android.graphics.Color)	4291556595 (0xFFC _B F4F3)
YUV	231.6270, 5.6069, -25.1059
Hunter-Lab	91.5800, -17.6991, 1.2193

Details

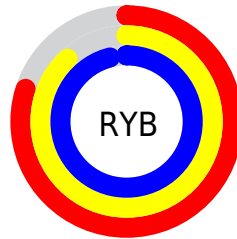
The Yxy color **83.8689, 0.2878, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.2730, 0.3442, 0.3280**, and the grayscale version is **80.3672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8502, 0.2821, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **80.6771, 0.2743, 0.3307**, and if you desaturate by 10%, it is **87.6069, 0.3023, 0.3294**.

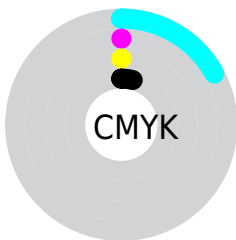
Distribution



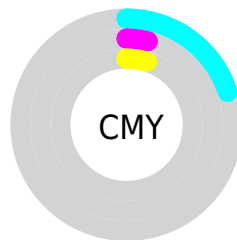
- Red (80%)
- Green (96%)
- Blue (95%)



- Red (80%)
- Yellow (88%)
- Blue (96%)



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



- Cyan (20%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.8689, 0.2878, 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 83.8689, 0.2878, 0.3300 by changing the saturation by 10% instead.

83.8689, 0.2878,
0.3300

83.8689, 0.2878,
0.3300

507.8778, 0.2990,
0.3297

62.9072, 0.2853,
0.3301

138.7918, 0.2916,
0.3299

45.7661, 0.2823,
0.3301

173.5217, 0.2931,
0.3299

32.0613, 0.2786,
0.3302

213.6099, 0.2944,
0.3298

21.4083, 0.2737,
0.3302

259.4407, 0.2956,
0.3298

13.4228, 0.2673,
0.3302

311.3985, 0.2966,
0.3297

7.7203, 0.2584,
0.3301


369.8677, 0.2975,


3.9165, 0.2453,

0.3297


435.2326, 0.2983,
0.3297

0.3298


 1.6270, 0.2238,
0.3287


 0.3757, 0.0291,
0.3445


 83.8689, 0.2878,
0.3300


 83.8689, 0.2878,
0.3300

 80.6771, 0.2743,
0.3307

 87.6069, 0.3023,
0.3294


 77.9959, 0.2622,
0.3314


 91.9042, 0.3176,
0.3288


 75.8016, 0.2516,
0.3321


 92.5546, 0.3194,
0.3283

 74.0645, 0.2429,
0.3329

 92.5912, 0.3190,
0.3277


 72.7519, 0.2361,
0.3337

 92.6279, 0.3186,
0.3271


 71.8262, 0.2313,
0.3345


 92.6647, 0.3183,
0.3265


 71.2440, 0.2283,
0.3353

 92.7017, 0.3179,
0.3259

 70.9495, 0.2270,
0.3361

 92.7388, 0.3175,
0.3254

 70.8886, 0.2268,
0.3363

 92.7760, 0.3172,
0.3248

Harmonies

Analogous

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



83.8689, 0.2999, 0.3443



83.8689, 0.2878, 0.3300



83.8689, 0.2823, 0.3158

Triad

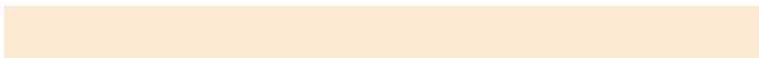
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8689, 0.2878, 0.3300



83.8689, 0.3091, 0.3053



83.8689, 0.3415, 0.3519

Complementary

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



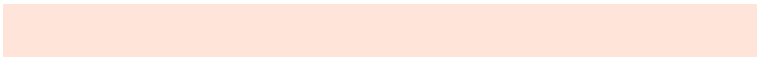
83.8689, 0.2878, 0.3300



66.2730, 0.3442, 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.



83.8689, 0.3442, 0.3409



83.8689, 0.2878, 0.3300



83.8689, 0.3252, 0.3144

Square

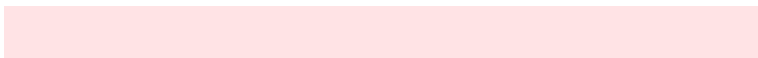
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.8689, 0.2878, 0.3300



83.8689, 0.2943, 0.3020



83.8689, 0.3382, 0.3273



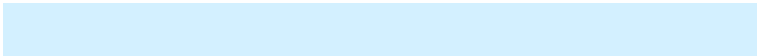
83.8689, 0.3310, 0.3570

Rectangle

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



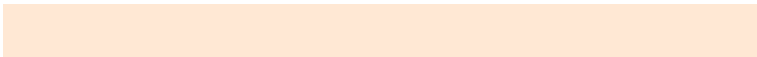
83.8689, 0.2878, 0.3300



83.8689, 0.2829, 0.3085



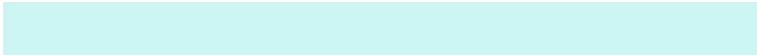
83.8689, 0.3382, 0.3273



83.8689, 0.3433, 0.3487

Sweetspot

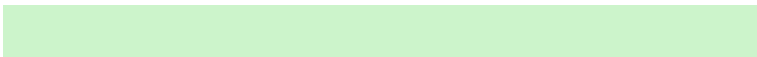
The Sweet Spot groups the original color and five complimentary colors.



83.8724, 0.2878, 0.3300



97.6414, 0.3051, 0.3293



81.9022, 0.3115, 0.3745



20.8310, 0.3040, 0.3293



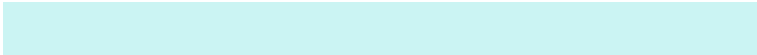
0.0000, 0.0000, 0.0000



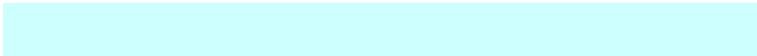
21.4041, 0.3127, 0.3290

Same Dimension

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



83.8724, 0.2878, 0.3300



91.4970, 0.2833, 0.3302



72.9868, 0.2863, 0.3081



18.7504, 0.2984, 0.3295



38.5412, 0.2267, 0.3362



3.3896, 0.2265, 0.3352

Inverse Universe

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



66.2730, 0.3442, 0.3280



68.8657, 0.3517, 0.3278



75.8443, 0.3417, 0.3491



16.4891, 0.3290, 0.3285



10.4679, 0.6375, 0.3286



0.9223, 0.6310, 0.3250

Previews

White Background



This preview shows how the Yxy color 83.8689, 0.2878, 0.3300 looks on a white background.

Color Contrast Check

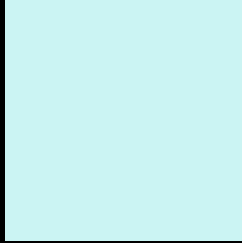
Large Text (above 18pt) WCAG AA × Fail

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 83.8689, 0.2878, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

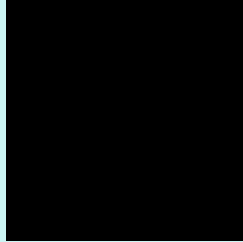
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.8689, 0.2878, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 83.8689, 0.2878, 0.3300.

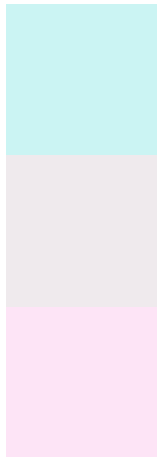


This preview shows how white text looks on a background with the Yxy color 83.8689, 0.2878, 0.3300.

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

83.8689, 0.2878, 0.3300

Protanopia

83.3108, 0.3142, 0.3260

Deuteranopia

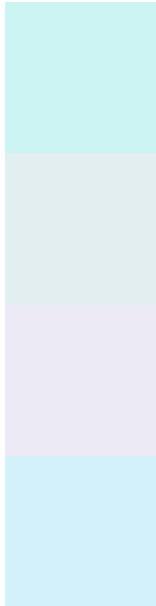
83.0233, 0.3183, 0.3114



Tritanopia

83.8363, 0.2876, 0.3134

Trichromacy



Original Color

83.8689, 0.2878, 0.3300

Protanomaly

83.5498, 0.3043, 0.3279

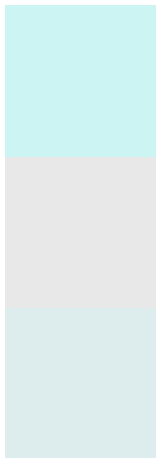
Deuteranomaly

83.1004, 0.3066, 0.3178

Tritanomaly

83.5773, 0.2875, 0.3185

Monochromacy



Original Color

83.8689, 0.2878, 0.3300

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.4192, 0.3029, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8689, 0.2878, 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(203, 244, 243)` looks like.

```
.text, #text, p{  
    color:rgb(203, 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(203, 244, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 244, 243) }
```

Border

The CSS property to change the border of an element to Yxy 83.8689, 0.2878, 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(203, 244, 243) }
```

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

```
.border{ border-color:rgb(203, 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(203, 244, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 244, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 244, 243);  
box-shadow:4px 4px 4px 4px rgb(203, 244,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8689, 0.2878, 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(203, 244, 243) }
```

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

```
.background{ background-color: rgb(203,  
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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