

Converting Colors

$Yxy(83.4381, 0.2831, 0.3296)$

Have a look what the booklet for
Yxy(83.4381, 0.2831, 0.3296)
contains.

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Color

Yxy(83.5722, 0.2833, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	C4F5F4
RGB	196, 245, 244
RGB Percent	77%, 96%, 96%
CMY	0.2314, 0.0392, 0.0432
CMYK	0.20, 0.00, 0.00, 0.04
HSL	179°, 71%, 86%
HSV	179°, 20%, 96%
XYZ	71.7455, 83.5722, 97.9314
YIQ	230.2350, -28.8830, -10.6990

Conversions

Conversions Part 2

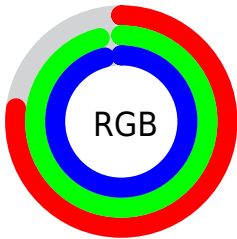
Format	Color
R _Y B	196, 221, 245
Decimal	12908020
CIE Lab	93.26, -15.71, -4.67
CIE LCh	93, 16.391, 196.552
Yxy	83.5722, 0.2833, 0.3300
Android (android.graphics.Color)	4291098100 (0xFFC4F5F4)
YUV	230.2350, 6.7861, -30.0241
Hunter-Lab	91.4178, -19.8929, 0.4780

Details

The Yxy color **83.5722, 0.2833, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.9262, 0.3518, 0.3280**, and the grayscale version is **79.2804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **45.6888, 0.2766, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **80.5232, 0.2702, 0.3306**, and if you desaturate by 10%, it is **87.1646, 0.2976, 0.3295**.

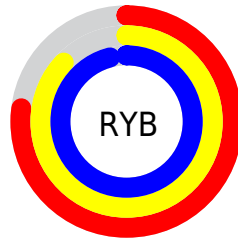
Distribution



Red (77%)

Green (96%)

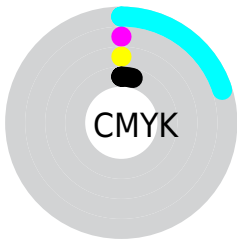
Blue (96%)



Red (77%)

Yellow (87%)

Blue (96%)

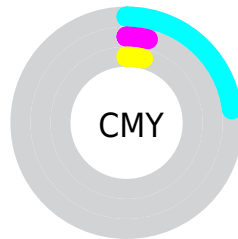


Cyan (20%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (23%)

Magenta (4%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5722, 0.2833, 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 83.5722, 0.2833, 0.3300 by changing the saturation by 10% instead.

83.5722, 0.2833,
0.3300

83.5722, 0.2833,
0.3300

506.8915, 0.2965,
0.3297

62.6623, 0.2804,
0.3300

138.3766, 0.2878,
0.3299

45.5681, 0.2768,
0.3301

173.0399, 0.2896,
0.3299

31.9051, 0.2724,
0.3301

213.0564, 0.2911,
0.3298

21.2890, 0.2667,
0.3301

258.8106, 0.2924,
0.3298

13.3354, 0.2592,
0.3300

310.6868, 0.2936,
0.3298

7.6599, 0.2488,
0.3297


369.0694, 0.2947,


3.8781, 0.2334,


0.3298


0.3290


434.3429, 0.2956,
0.3297


 1.6056, 0.2086,
0.3270


 0.3614, 0.0000,
0.3342


 83.5722, 0.2833,
0.3300


 83.5722, 0.2833,
0.3300


 80.5232, 0.2702,
0.3306


 87.1646, 0.2976,
0.3295


 77.9814, 0.2585,
0.3312

 91.3143, 0.3127,
0.3290

 75.9220, 0.2485,
0.3318

 93.1921, 0.3189,
0.3285

 74.3140, 0.2403,
0.3325

 93.2232, 0.3186,
0.3280

73.1230, 0.2341,
0.3331

93.2543, 0.3183,
0.3276

72.3096, 0.2299,
0.3338

93.2855, 0.3180,
0.3271

71.8268, 0.2274,
0.3345

93.3168, 0.3177,
0.3266

71.5964, 0.2264,
0.3351

93.3481, 0.3173,
0.3261

93.3796, 0.3170,
0.3256

Harmonies

Analogous

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



83.5722, 0.2975, 0.3471



83.5722, 0.2833, 0.3300



83.5722, 0.2769, 0.3133

Triad

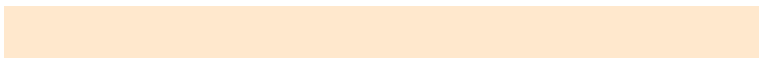
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5722, 0.2833, 0.3300



83.5722, 0.3085, 0.3012



83.5722, 0.3467, 0.3560

Complementary

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



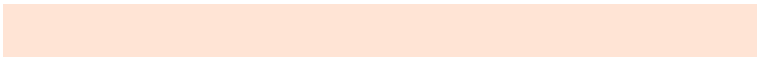
83.5722, 0.2833, 0.3300



62.9262, 0.3518, 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.



83.5722, 0.3500, 0.3430



83.5722, 0.2833, 0.3300



83.5722, 0.3275, 0.3119

Square

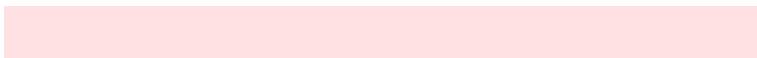
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5722, 0.2833, 0.3300



83.5722, 0.2911, 0.2973



83.5722, 0.3429, 0.3269



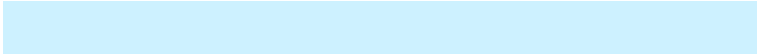
83.5722, 0.3341, 0.3622

Rectangle

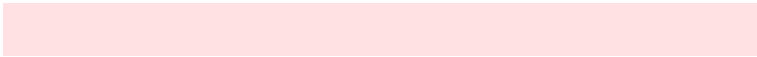
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.5722, 0.2833, 0.3300



83.5722, 0.2777, 0.3046



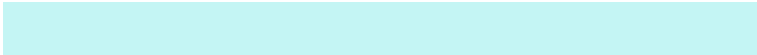
83.5722, 0.3429, 0.3269



83.5722, 0.3489, 0.3523

Sweetspot

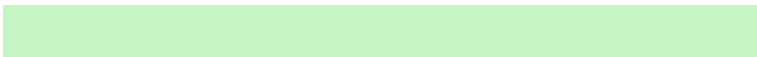
The Sweet Spot groups the original color and five complimentary colors.



83.5756, 0.2833, 0.3300



97.1925, 0.3035, 0.3293



81.2502, 0.3112, 0.3842



20.7407, 0.3025, 0.3293



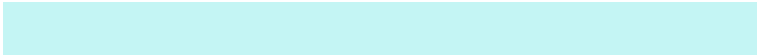
0.0000, 0.0000, 0.0000



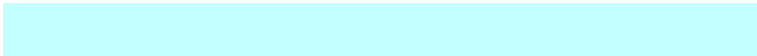
21.4041, 0.3127, 0.3290

Same Dimension

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



83.5756, 0.2833, 0.3300



90.1018, 0.2778, 0.3302



70.6446, 0.2812, 0.3037



18.7516, 0.2983, 0.3295



38.5711, 0.2264, 0.3350



3.3919, 0.2262, 0.3342

Inverse Universe

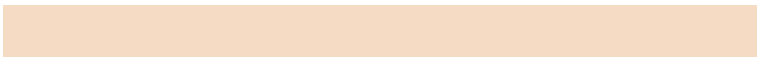
The Inverse Universe completely reimagines the original color for something new.



62.9262, 0.3518, 0.3280



63.6976, 0.3620, 0.3278



73.9946, 0.3479, 0.3531



16.4881, 0.3291, 0.3286



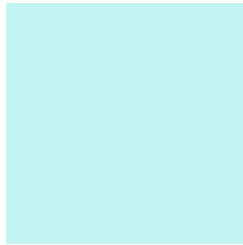
10.4663, 0.6379, 0.3288



0.9218, 0.6324, 0.3258

Previews

White Background



This preview shows how the Yxy color 83.5722, 0.2833, 0.3300 looks on a white background.

Color Contrast Check

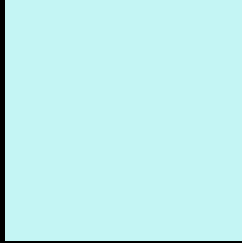
Large Text (above 18pt) WCAG AA × Fail

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 83.5722, 0.2833, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

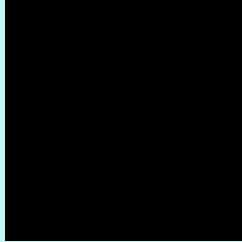
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.5722, 0.2833, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 83.5722, 0.2833, 0.3300.

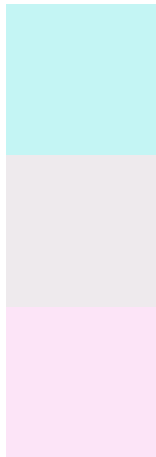


This preview shows how white text looks on a background with the Yxy color 83.5722, 0.2833, 0.3300.

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

83.5722, 0.2833, 0.3300

Protanopia

83.1372, 0.3135, 0.3260

Deuteranopia

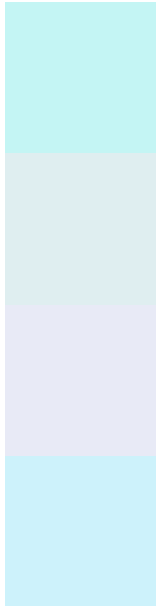
82.8977, 0.3170, 0.3104



Tritanopia

83.2418, 0.2852, 0.3133

Trichromacy



Original Color

83.5722, 0.2833, 0.3300

Protanomaly

83.1283, 0.3017, 0.3269

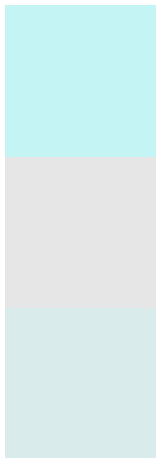
Deuteranomaly

82.6553, 0.3040, 0.3167

Tritanomaly

83.4484, 0.2846, 0.3194

Monochromacy



Original Color

83.5722, 0.2833, 0.3300

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

80.3202, 0.3015, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5722, 0.2833, 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(196, 245, 244)` looks like.

```
.text, #text, p{  
    color:rgb(196, 245, 244)  
}
```

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(196, 245, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 245, 244) }
```

Border

The CSS property to change the border of an element to Yxy 83.5722, 0.2833, 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(196, 245, 244) }
```

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

```
.border{ border-color:rgb(196, 245, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 245, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 245, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 245, 244); box-shadow:4px 4px 4px 4px rgb(196, 245, 244) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5722, 0.2833, 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(196, 245, 244) }
```

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

```
.background{ background-color: rgb(196,  
245, 244) }
```

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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