

Converting Colors

$Yxy(86.0006, 0.2870, 0.3353)$

Have a look what the booklet for
Yxy(86.0006, 0.2870, 0.3353)
contains.

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Color

Yxy(85.8250, 0.2868, 0.3353)

Conversions

Conversions Part 1

Format	Color
Hex	C8F8F2
RGB	200, 248, 242
RGB Percent	78%, 97%, 95%
CMY	0.2158, 0.0274, 0.0508
CMYK	0.19, 0.00, 0.02, 0.03
HSL	173°, 77%, 88%
HSV	173°, 19%, 97%
XYZ	73.4107, 85.8250, 96.7291
YIQ	232.9640, -26.6820, -12.0420

Conversions

Conversions Part 2

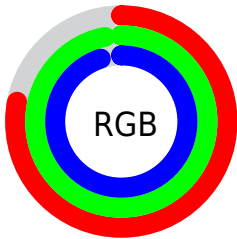
Format	Color
R_{YB}	200, 226, 248
Decimal	13170930
CIE _{Lab}	94.24, -16.41, -2.20
CIE _{LCh}	94, 16.557, 187.630
Yxy	85.8250, 0.2868, 0.3353
Android (android.graphics.Color)	4291361010 (0xFFC8F8F2)
YUV	232.9640, 4.4547, -28.9094
Hunter-Lab	92.6418, -20.6771, 2.9434

Details

The Yxy color **85.8250, 0.2868, 0.3353** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.7039, 0.3464, 0.3228**, and the grayscale version is **81.4368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.2642, 0.2810, 0.3372** is the 20% darker color. If you saturate the color by 10%, you get **82.5032, 0.2747, 0.3390**, and if you desaturate by 10%, it is **89.7109, 0.2999, 0.3319**.

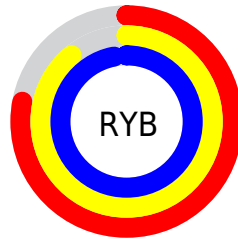
Distribution



Red (78%)

Green (97%)

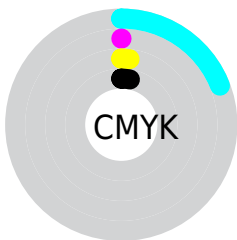
Blue (95%)



Red (78%)

Yellow (89%)

Blue (97%)

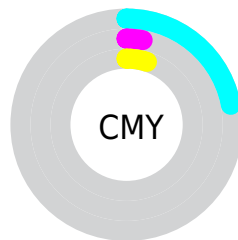


Cyan (19%)

Magenta (0%)

Yellow (2%)

Black (3%)



Cyan (22%)


Magenta (3%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8250, 0.2868, 0.3353 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 85.8250, 0.2868, 0.3353 by changing the saturation by 10% instead.

 85.8250, 0.2868,
0.3353

 85.8250, 0.2868,
0.3353

514.3540, 0.2984,
0.3326

 64.5233, 0.2842,
0.3359


141.5253, 0.2907,
0.3344

 47.0746, 0.2811,
0.3366


176.6926, 0.2923,
0.3340

 33.0947, 0.2772,
0.3375


217.2505, 0.2937,
0.3337

 22.1990, 0.2723,
0.3386

263.5836, 0.2948,
0.3334

 14.0032, 0.2657,
0.3400

316.0760, 0.2959,
0.3332

 8.1229, 0.2566,
0.3420

375.1123, 0.2968,

 4.1737, 0.2432,

0.3329

0.3447

441.0768, 0.2976,
0.3327

■ 1.7712, 0.2214,
0.3488

■ 0.4691, 0.0384,
0.3979

■ 85.8250, 0.2868,
0.3353

■ 85.8250, 0.2868,
0.3353

■ 82.5032, 0.2747,
0.3390

■ 89.7109, 0.2999,
0.3319

■ 79.7081, 0.2639,
0.3429

■ 94.1750, 0.3136,
0.3288

■ 77.4144, 0.2546,
0.3470

■ 95.3841, 0.3152,
0.3259

■ 75.5905, 0.2470,
0.3513

■ 95.5804, 0.3134,
0.3229

■ 74.2010, 0.2414,
0.3557

■ 95.6209, 0.3130,
0.3223

■ 73.2057, 0.2377,
0.3601

■ 72.5568, 0.2360,
0.3644

■ 72.1801, 0.2358,
0.3688

■ 72.1600, 0.2358,
0.3690

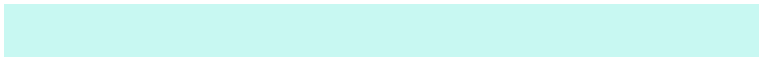
Harmonies

Analogous

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



85.8250, 0.3028, 0.3514



85.8250, 0.2868, 0.3353



85.8250, 0.2778, 0.3179

Triad

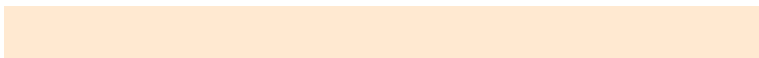
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8250, 0.2868, 0.3353



85.8250, 0.3029, 0.2992



85.8250, 0.3488, 0.3527

Complementary

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



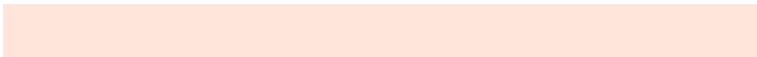
85.8250, 0.2868, 0.3353



65.7039, 0.3464, 0.3228

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.



85.8250, 0.3490, 0.3383



85.8250, 0.2868, 0.3353



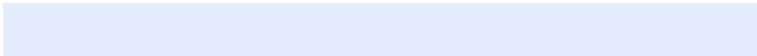
85.8250, 0.3220, 0.3081

Square

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



85.8250, 0.2868, 0.3353



85.8250, 0.2869, 0.2977



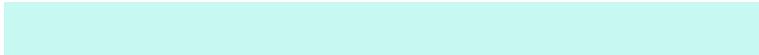
85.8250, 0.3391, 0.3222



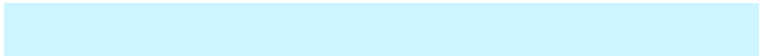
85.8250, 0.3387, 0.3613

Rectangle

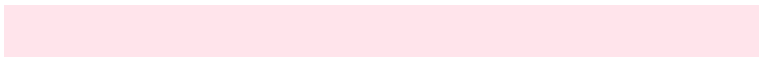
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



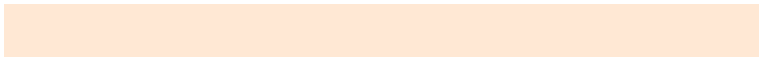
85.8250, 0.2868, 0.3353



85.8250, 0.2768, 0.3081



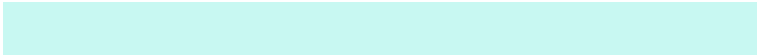
85.8250, 0.3391, 0.3222



85.8250, 0.3500, 0.3484

Sweetspot

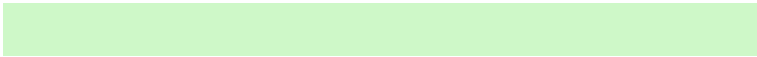
The Sweet Spot groups the original color and five complimentary colors.



85.8285, 0.2868, 0.3353



97.0909, 0.3044, 0.3308



84.4844, 0.3143, 0.3818



20.7166, 0.3035, 0.3310



0.0000, 0.0000, 0.0000



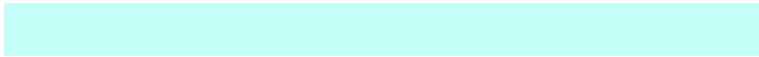
21.4041, 0.3127, 0.3290

Same Dimension

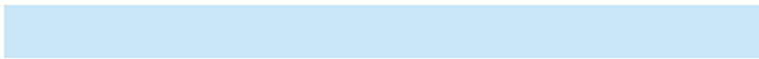
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8285, 0.2868, 0.3353



90.0620, 0.2822, 0.3366



75.8654, 0.2825, 0.3099



19.5693, 0.2997, 0.3320



38.9917, 0.2357, 0.3683



3.6214, 0.2342, 0.3631

Inverse Universe

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



65.7039, 0.3464, 0.3228



65.2404, 0.3545, 0.3216



74.0528, 0.3476, 0.3474



17.2603, 0.3274, 0.3261



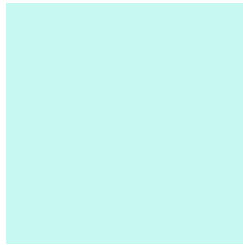
10.8442, 0.6246, 0.3215



1.0151, 0.5989, 0.3073

Previews

White Background



This preview shows how the Yxy color 85.8250, 0.2868, 0.3353 looks on a white background.

Color Contrast Check

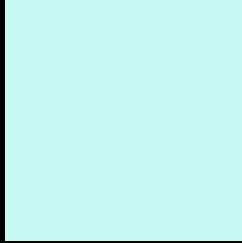
Large Text (above 18pt) WCAG AA × Fail

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 85.8250, 0.2868, 0.3353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

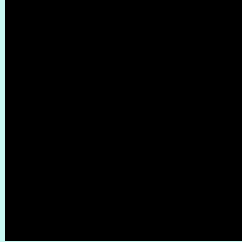
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

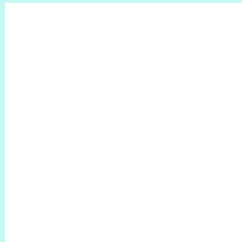
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8250, 0.2868, 0.3353

Background



This preview shows how black text looks on a background with the Yxy color 85.8250, 0.2868, 0.3353.

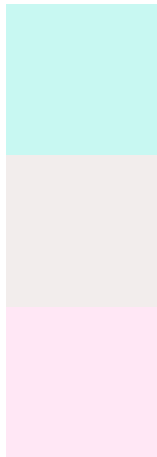


This preview shows how white text looks on a background with the Yxy color 85.8250, 0.2868, 0.3353.

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

85.8250, 0.2868, 0.3353

Protanopia

85.5017, 0.3167, 0.3300

Deuteranopia

85.0044, 0.3202, 0.3154



Tritanopia

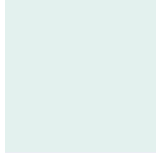
85.4760, 0.2895, 0.3156

Trichromacy



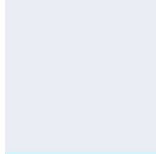
Original Color

85.8250, 0.2868, 0.3353



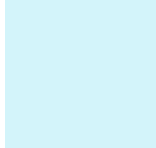
Protanomaly

85.4145, 0.3054, 0.3321



Deuteranomaly

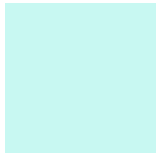
84.7622, 0.3071, 0.3219



Tritanomaly

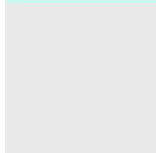
85.4524, 0.2888, 0.3227

Monochromacy



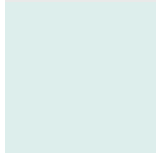
Original Color

85.8250, 0.2868, 0.3353



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

82.5774, 0.3028, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8250, 0.2868, 0.3353 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(200, 248, 242)` looks like.

```
.text, #text, p{  
    color:rgb(200, 248, 242)  
}
```

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(200, 248, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 248, 242) }
```

Border

The CSS property to change the border of an element to Yxy 85.8250, 0.2868, 0.3353 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(200, 248, 242) }
```

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

```
.border{ border-color:rgb(200, 248, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 248, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 248, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 248, 242);  
box-shadow:4px 4px 4px 4px rgb(200, 248,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8250, 0.2868, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 248, 242) }
```

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

```
.background{ background-color: rgb(200,  
248, 242) }
```

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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