

Converting Colors

$Yxy(86.6090, 0.2893, 0.3296)$

Have a look what the booklet for
Yxy(86.6090, 0.2893, 0.3296)
contains.

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Color

Yxy(86.5852, 0.2893, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	D0F7F6
RGB	208, 247, 246
RGB Percent	82%, 97%, 96%
CMY	0.1843, 0.0313, 0.0354
CMYK	0.16, 0.00, 0.00, 0.03
HSL	178°, 71%, 89%
HSV	178°, 16%, 97%
XYZ	75.9064, 86.5852, 99.8878
YIQ	235.2250, -22.9230, -8.5790

Conversions

Conversions Part 2

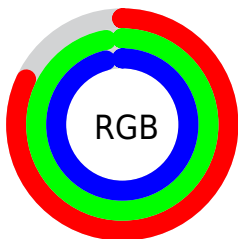
Format	Color
R _Y B	208, 228, 247
Decimal	13694966
CIE Lab	94.56, -12.67, -3.71
CIE LCh	95, 13.201, 196.320
Yxy	86.5852, 0.2893, 0.3300
Android (android.graphics.Color)	4291885046 (0xFFD0F7F6)
YUV	235.2250, 5.3121, -23.8763
Hunter-Lab	93.0512, -17.2284, 1.4897

Details

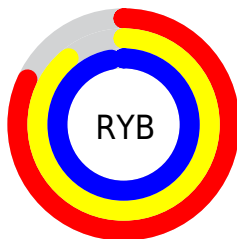
The Yxy color **86.5852, 0.2893, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.4943, 0.3419, 0.3280**, and the grayscale version is **83.2320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7516, 0.2840, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **83.2432, 0.2757, 0.3307**, and if you desaturate by 10%, it is **90.4920, 0.3039, 0.3294**.

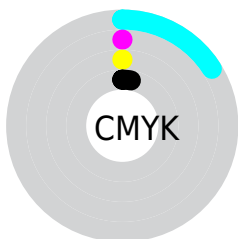
Distribution



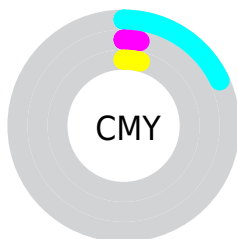
- Red (82%)
- Green (97%)
- Blue (96%)



- Red (82%)
- Yellow (89%)
- Blue (97%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)





- Cyan (18%)
- Magenta (3%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5852, 0.2893, 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 86.5852, 0.2893, 0.3300 by changing the saturation by 10% instead.

 86.5852, 0.2893,
0.3300

 86.5852, 0.2893,
0.3300

516.8589, 0.2997,
0.3296

 65.1520, 0.2870,
0.3301


142.5858, 0.2929,
0.3299

 47.5843, 0.2842,
0.3301


177.9221, 0.2943,
0.3299

 33.4978, 0.2807,
0.3302


218.6614, 0.2955,
0.3298

 22.5081, 0.2763,
0.3302

265.1883, 0.2965,
0.3298

 14.2307, 0.2704,
0.3303

317.8871, 0.2975,
0.3297

 8.2813, 0.2623,
0.3303

377.1422, 0.2983,

 4.2755, 0.2503,

0.3297

0.3300

443.3380, 0.2991,
0.3297

■ 1.8288, 0.2311,
0.3293

■ 0.5050, 0.1150,
0.3401

■ 86.5852, 0.2893,
0.3300

■ 86.5852, 0.2893,
0.3300

■ 83.2432, 0.2757,
0.3307

■ 90.4920, 0.3039,
0.3294

■ 80.4296, 0.2634,
0.3315


■ 94.5178, 0.3177,
0.3288

■ 78.1201, 0.2527,
0.3323

■ 94.5578, 0.3173,
0.3281

■ 76.2846, 0.2438,
0.3331

■ 94.5980, 0.3169,
0.3275


 74.8895, 0.2368,
0.3340

 94.6383, 0.3165,
0.3269

 73.8970, 0.2318,
0.3348


 94.6787, 0.3161,
0.3263

 73.2628, 0.2287,
0.3357

 94.7193, 0.3157,
0.3257

 72.9322, 0.2272,
0.3365

 94.7600, 0.3154,
0.3250

 72.8489, 0.2269,
0.3369

 94.8009, 0.3150,
0.3244

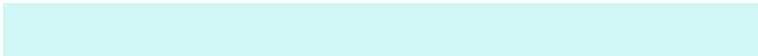
Harmonies

Analogous

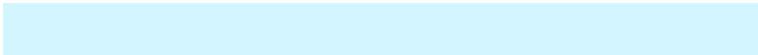
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5852, 0.3007, 0.3434



86.5852, 0.2893, 0.3300



86.5852, 0.2841, 0.3167

Triad

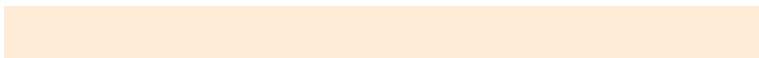
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.5852, 0.2893, 0.3300



86.5852, 0.3093, 0.3066



86.5852, 0.3398, 0.3505

Complementary

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



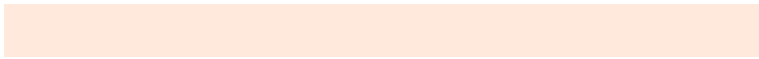
86.5852, 0.2893, 0.3300



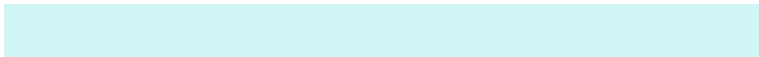
69.4943, 0.3419, 0.3280

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.



86.5852, 0.3423, 0.3402



86.5852, 0.2893, 0.3300



86.5852, 0.3244, 0.3152

Square

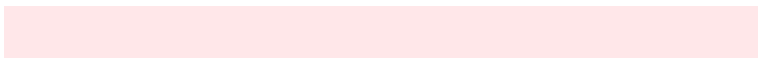
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.5852, 0.2893, 0.3300



86.5852, 0.2954, 0.3036



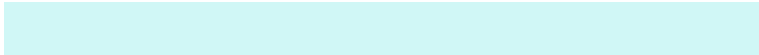
86.5852, 0.3366, 0.3274



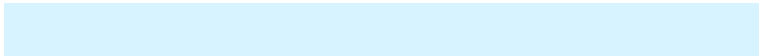
86.5852, 0.3299, 0.3553

Rectangle

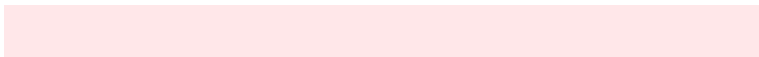
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



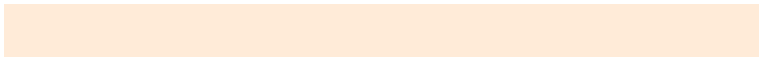
86.5852, 0.2893, 0.3300



86.5852, 0.2847, 0.3097



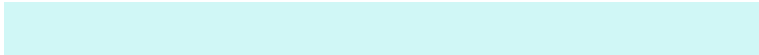
86.5852, 0.3366, 0.3274



86.5852, 0.3415, 0.3476

Sweetspot

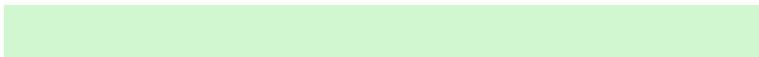
The Sweet Spot groups the original color and five complimentary colors.



86.5888, 0.2893, 0.3300



97.6401, 0.3051, 0.3293



84.6794, 0.3115, 0.3714



20.8307, 0.3040, 0.3293



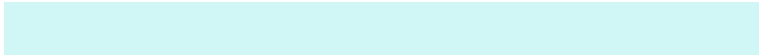
0.0000, 0.0000, 0.0000



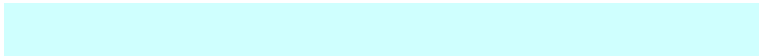
21.4041, 0.3127, 0.3290

Same Dimension

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



86.5888, 0.2893, 0.3300



91.8593, 0.2848, 0.3302



76.0576, 0.2879, 0.3095



18.7499, 0.2984, 0.3296



38.5288, 0.2269, 0.3367



3.3886, 0.2266, 0.3357

Inverse Universe

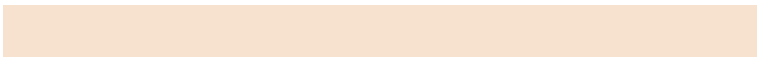
The Inverse Universe completely reimagines the original color for something new.



69.4943, 0.3419, 0.3280



70.2130, 0.3493, 0.3278



78.8342, 0.3397, 0.3478



16.4895, 0.3290, 0.3284



10.4686, 0.6373, 0.3285



0.9225, 0.6304, 0.3246

Previews

White Background



This preview shows how the Yxy color 86.5852, 0.2893, 0.3300 looks on a white background.

Color Contrast Check

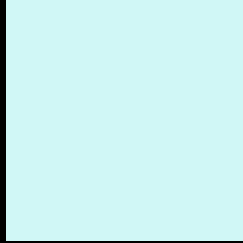
Large Text (above 18pt) WCAG AA × Fail

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 86.5852, 0.2893, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

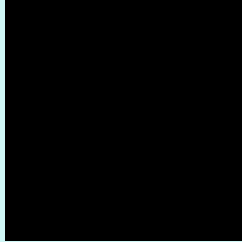
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

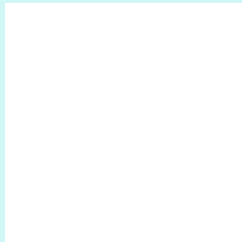
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.5852, 0.2893, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 86.5852, 0.2893, 0.3300.

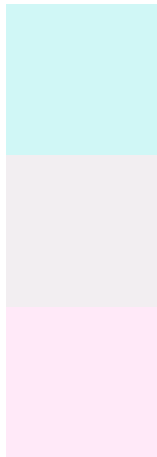


This preview shows how white text looks on a background with the Yxy color 86.5852, 0.2893, 0.3300.

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

86.5852, 0.2893, 0.3300

Protanopia

86.3772, 0.3135, 0.3260

Deuteranopia

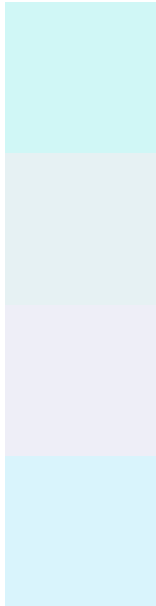
86.3151, 0.3181, 0.3144



Tritanopia

86.2539, 0.2925, 0.3157

Trichromacy



Original Color

86.5852, 0.2893, 0.3300

Protanomaly

86.2047, 0.3044, 0.3269

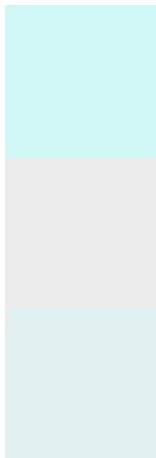
Deuteranomaly

86.0416, 0.3072, 0.3200

Tritanomaly

86.4814, 0.2912, 0.3207

Monochromacy



Original Color

86.5852, 0.2893, 0.3300

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.9726, 0.3036, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5852, 0.2893, 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(208, 247, 246)` looks like.

```
.text, #text, p{  
    color:rgb(208, 247, 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(208, 247, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 247, 246) }
```

Border

The CSS property to change the border of an element to Yxy 86.5852, 0.2893, 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(208, 247, 246) }
```

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

```
.border{ border-color:rgb(208, 247, 246) }
```

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

Here you see how a box with a 4 pixel rgb(208, 247, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 247, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 247, 246);  
box-shadow:4px 4px 4px 4px rgb(208, 247,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5852, 0.2893, 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(208, 247, 246) }
```

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

```
.background{ background-color: rgb(208,  
247, 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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