

Converting Colors

Yxy(84.6681, 0.2845, 0.3343)

Have a look what the booklet for
Yxy(84.6681, 0.2845, 0.3343)
contains.

Yxy(84.6681, 0.2845, 0.3343)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.6681, 0.2845, 0.3343)

Conversions

Conversions Part 1

Format	Color
Hex	C4F7F2
RGB	196, 247, 242
RGB Percent	77%, 97%, 95%
CMY	0.2313, 0.0314, 0.0510
CMYK	0.21, 0.00, 0.02, 0.03
HSL	174°, 76%, 87%
HSV	174°, 21%, 97%
XYZ	72.0553, 84.6681, 96.5465
YIQ	231.1810, -28.7910, -12.3670

Conversions

Conversions Part 2

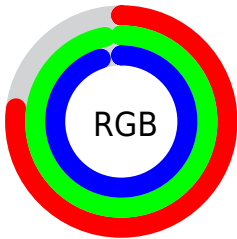
Format	Color
R _Y B	196, 223, 247
Decimal	12908530
CIE Lab	93.74, -17.11, -2.94
CIE LCh	94, 17.357, 189.736
Yxy	84.6681, 0.2845, 0.3343
Android (android.graphics.Color)	4291098610 (0xFFC4F7F2)
YUV	231.1810, 5.3338, -30.8537
Hunter-Lab	92.0153, -21.2470, 2.2010

Details

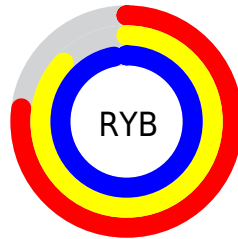
The Yxy color **84.6681, 0.2845, 0.3343** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.4805, 0.3502, 0.3238**, and the grayscale version is **80.0327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **46.4695, 0.2781, 0.3359** is the 20% darker color. If you saturate the color by 10%, you get **81.4823, 0.2723, 0.3372**, and if you desaturate by 10%, it is **88.4080, 0.2978, 0.3316**.

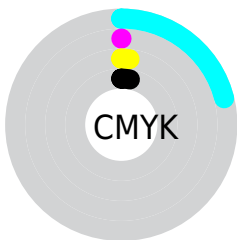
Distribution



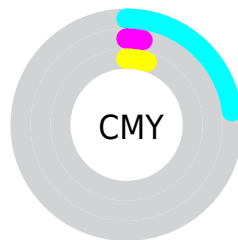
- Red (77%)
- Green (97%)
- Blue (95%)



- Red (77%)
- Yellow (87%)
- Blue (97%)



- Cyan (21%)
- Magenta (0%)
- Yellow (2%)
- Black (3%)



- Cyan (23%)
- Magenta (3%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6681, 0.2845, 0.3343 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 84.6681, 0.2845, 0.3343 by changing the saturation by 10% instead.

84.6681, 0.2845,
0.3343

84.6681, 0.2845,
0.3343

510.5292, 0.2971,
0.3320

63.5672, 0.2817,
0.3348

139.9094, 0.2888,
0.3335

46.3002, 0.2783,
0.3354

174.8185, 0.2905,
0.3332

32.4828, 0.2741,
0.3361

215.0992, 0.2920,
0.3330

21.7305, 0.2686,
0.3370

261.1357, 0.2933,
0.3327

13.6590, 0.2614,
0.3381

313.3126, 0.2944,
0.3325

7.8839, 0.2515,
0.3395


372.0143, 0.2954,


4.0207, 0.2367,


0.3323


0.3415


437.6250, 0.2963,
0.3322


 1.6852, 0.2129,
0.3442


 0.4140, 0.0000,
0.3869


 84.6681, 0.2845,
0.3343

 84.6681, 0.2845,
0.3343


 81.4823, 0.2723,
0.3372


 88.4080, 0.2978,
0.3316


 78.8136, 0.2614,
0.3403

 92.7164, 0.3118,
0.3292

 76.6366, 0.2521,
0.3435

 94.6392, 0.3165,
0.3268

 74.9194, 0.2446,
0.3469

 94.7917, 0.3150,
0.3245

■ 73.6267, 0.2390,
0.3503

■ 94.9461, 0.3136,
0.3222

■ 72.7178, 0.2354,
0.3537

■ 95.0027, 0.3131,
0.3214

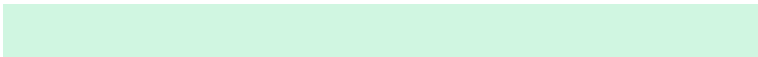
■ 72.1441, 0.2337,
0.3571

■ 71.8375, 0.2334,
0.3602

Harmonies

Analogous

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



84.6681, 0.3009, 0.3516



84.6681, 0.2845, 0.3343



84.6681, 0.2757, 0.3160

Triad

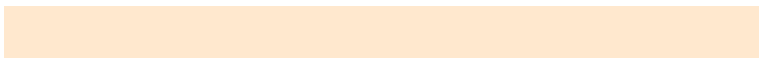
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.6681, 0.2845, 0.3343



84.6681, 0.3037, 0.2981



84.6681, 0.3503, 0.3548

Complementary

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



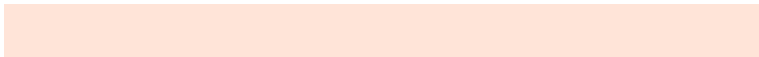
84.6681, 0.2845, 0.3343



63.4805, 0.3502, 0.3238

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.



84.6681, 0.3513, 0.3400



84.6681, 0.2845, 0.3343



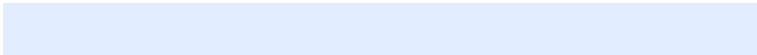
84.6681, 0.3239, 0.3079

Square

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



84.6681, 0.2845, 0.3343



84.6681, 0.2865, 0.2959



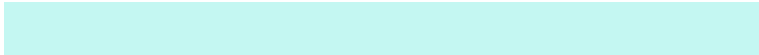
84.6681, 0.3415, 0.3230



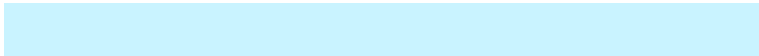
84.6681, 0.3390, 0.3633

Rectangle

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



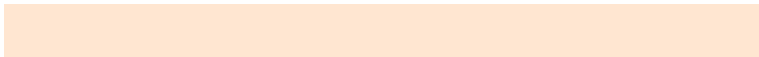
84.6681, 0.2845, 0.3343



84.6681, 0.2751, 0.3061



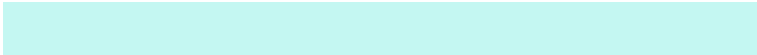
84.6681, 0.3415, 0.3230



84.6681, 0.3518, 0.3504

Sweetspot

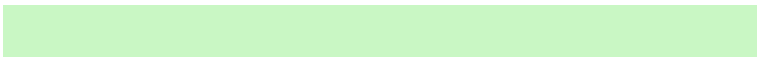
The Sweet Spot groups the original color and five complimentary colors.



84.6716, 0.2845, 0.3343



97.1165, 0.3042, 0.3304



82.9427, 0.3133, 0.3858



20.7227, 0.3033, 0.3306



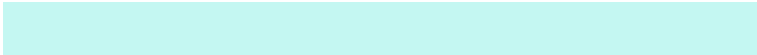
0.0000, 0.0000, 0.0000



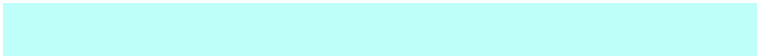
21.4041, 0.3127, 0.3290

Same Dimension

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



84.6716, 0.2845, 0.3343



89.4524, 0.2790, 0.3356



73.1778, 0.2804, 0.3066



18.7281, 0.2994, 0.3313



38.0037, 0.2332, 0.3596



3.3481, 0.2321, 0.3554

Inverse Universe

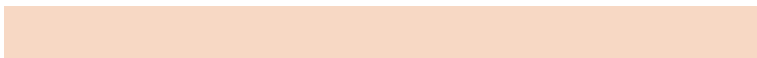
The Inverse Universe completely reimagines the original color for something new.



63.4805, 0.3502, 0.3238



62.6852, 0.3606, 0.3227



73.0837, 0.3499, 0.3504



16.5089, 0.3278, 0.3267



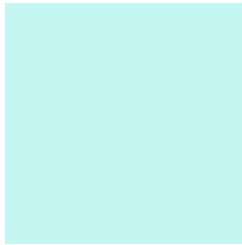
10.5025, 0.6289, 0.3238



0.9318, 0.6057, 0.3110

Previews

White Background



This preview shows how the Yxy color 84.6681, 0.2845, 0.3343 looks on a white background.

Color Contrast Check

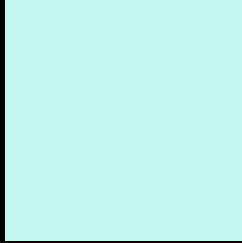
Large Text (above 18pt) WCAG AA × Fail

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 84.6681, 0.2845, 0.3343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

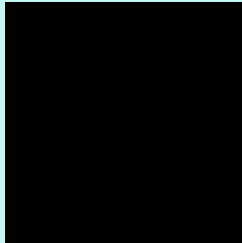
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

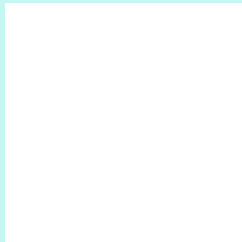
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6681, 0.2845, 0.3343

Background



This preview shows how black text looks on a background with the Yxy color 84.6681, 0.2845, 0.3343.

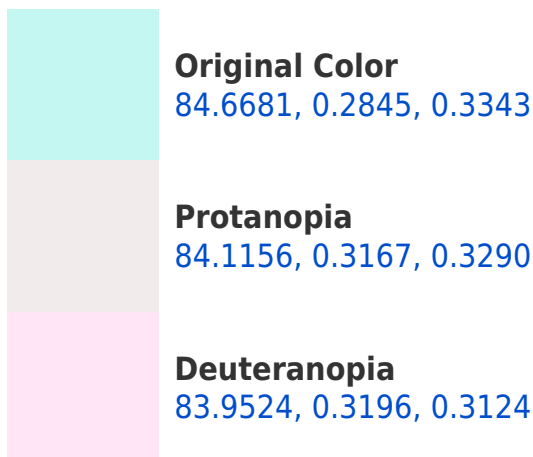


This preview shows how white text looks on a background with the Yxy color 84.6681, 0.2845, 0.3343.

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





Tritanopia

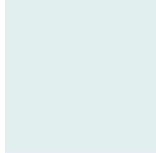
84.2767, 0.2871, 0.3144

Trichromacy



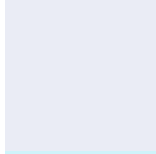
Original Color

84.6681, 0.2845, 0.3343



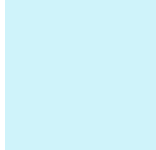
Protanomaly

83.9136, 0.3042, 0.3300



Deuteranomaly

84.0759, 0.3059, 0.3198



Tritanomaly

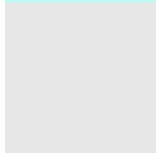
84.2687, 0.2863, 0.3216

Monochromacy



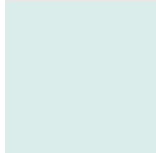
Original Color

84.6681, 0.2845, 0.3343



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.4720, 0.3015, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6681, 0.2845, 0.3343 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, 247, 242)` looks like.

```
.text, #text, p{  
    color:rgb(196, 247, 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(196, 247, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 247, 242) }
```

Border

The CSS property to change the border of an element to Yxy 84.6681, 0.2845, 0.3343 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, 247, 242) }
```

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

```
.border{ border-color:rgb(196, 247, 242) }
```

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

Here you see how a box with a 4 pixel rgb(196, 247, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 247, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 247, 242);  
box-shadow:4px 4px 4px 4px rgb(196, 247,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6681, 0.2845, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 247, 242) }
```

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

```
.background{ background-color: rgb(196,  
247, 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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