

# Converting Colors

Yxy(84.1261, 0.2890, 0.3339)

Have a look what the booklet for  
Yxy(84.1261, 0.2890, 0.3339)  
contains.

<b>Yxy(84.1526, 0.2889, 0.3343)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(84.1526, 0.2889, 0.3343)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAF5F0
RGB	202, 245, 240
RGB Percent	79%, 96%, 94%
CMY	0.2081, 0.0391, 0.0588
CMYK	0.18, 0.00, 0.02, 0.04
HSL	173°, 68%, 88%
HSV	173°, 18%, 96%
XYZ	72.7242, 84.1526, 94.8510
YIQ	231.5730, -24.0230, -10.6710

# Conversions

## Conversions Part 2

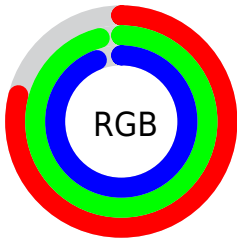
Format	Color
R <sub>Y</sub> B	202, 225, 245
Decimal	13301232
CIE Lab	93.52, -14.74, -2.19
CIE LCh	94, 14.900, 188.446
Yxy	84.1526, 0.2889, 0.3343
Android (android.graphics.Color)	4291491312 (0xFFCAF5F0)
YUV	231.5730, 4.1545, -25.9355
Hunter-Lab	91.7347, -19.0271, 2.9102

# Details

The Yxy color **84.1526, 0.2889, 0.3343** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.1282, 0.3429, 0.3238**, and the grayscale version is **80.3356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.0589, 0.2835, 0.3359** is the 20% darker color. If you saturate the color by 10%, you get **80.8385, 0.2765, 0.3377**, and if you desaturate by 10%, it is **88.0189, 0.3022, 0.3312**.

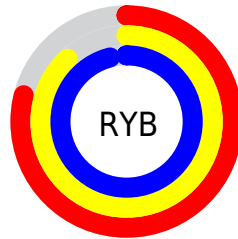
# Distribution



Red (79%)

Green (96%)

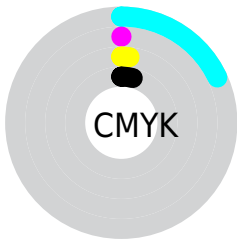
Blue (94%)



Red (79%)

Yellow (88%)

Blue (96%)

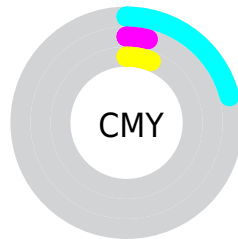


Cyan (18%)

Magenta (0%)

Yellow (2%)

Black (4%)



Cyan (21%)

Magenta (4%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.1526, 0.2889, 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 84.1526, 0.2889, 0.3343 by changing the saturation by 10% instead.




 84.1526, 0.2889,  
0.3343

 84.1526, 0.2889,  
0.3343


508.8198, 0.2996,  
0.3320

 63.1414, 0.2865,  
0.3348


139.1886, 0.2926,  
0.3335

 45.9556, 0.2836,  
0.3354


173.9823, 0.2940,  
0.3332

 32.2108, 0.2800,  
0.3361


214.1389, 0.2952,  
0.3329

 21.5226, 0.2754,  
0.3371

260.0428, 0.2963,  
0.3327

 13.5065, 0.2693,  
0.3383

312.0785, 0.2973,  
0.3325

 7.7783, 0.2607,  
0.3400

370.6303, 0.2981,

 3.9534, 0.2480,

0.3323

0.3423

436.0826, 0.2989,  
0.3321

1.6475, 0.2271,  
0.3457

0.3893, 0.0105,  
0.3987

84.1526, 0.2889,  
0.3343

84.1526, 0.2889,  
0.3343

80.8385, 0.2765,  
0.3377

88.0189, 0.3022,  
0.3312

78.0405, 0.2654,  
0.3413


92.4508, 0.3161,  
0.3283

75.7346, 0.2557,  
0.3451

93.3895, 0.3170,  
0.3256


73.8905, 0.2478,  
0.3491

93.5684, 0.3153,  
0.3229


 72.4748, 0.2417,  
0.3531


 93.7501, 0.3136,  
0.3202

 71.4493, 0.2377,  
0.3572

 93.7973, 0.3132,  
0.3195

 70.7692, 0.2355,  
0.3613

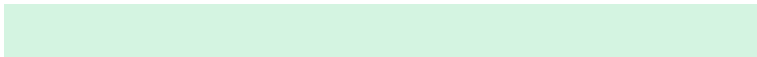
 70.3751, 0.2351,  
0.3653

 70.3011, 0.2351,  
0.3663

# Harmonies

## Analogous

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



84.1526, 0.3033, 0.3489



84.1526, 0.2889, 0.3343



84.1526, 0.2809, 0.3186

# Triad

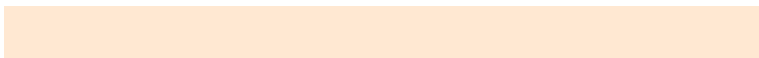
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.1526, 0.2889, 0.3343



84.1526, 0.3043, 0.3020



84.1526, 0.3452, 0.3509

# Complementary

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



84.1526, 0.2889, 0.3343



66.1282, 0.3429, 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.



84.1526, 0.3456, 0.3380



84.1526, 0.2889, 0.3343



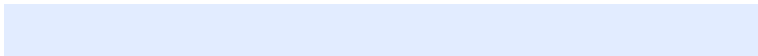
84.1526, 0.3216, 0.3103

# Square

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



84.1526, 0.2889, 0.3343



84.1526, 0.2896, 0.3005



84.1526, 0.3369, 0.3232

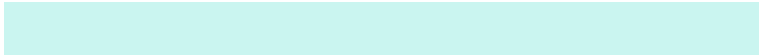


84.1526, 0.3359, 0.3584

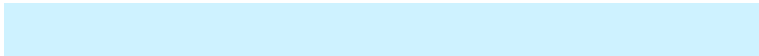


# Rectangle

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



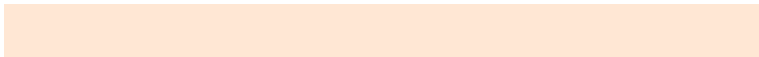
84.1526, 0.2889, 0.3343



84.1526, 0.2801, 0.3098



84.1526, 0.3369, 0.3232



84.1526, 0.3464, 0.3470

# Sweetspot

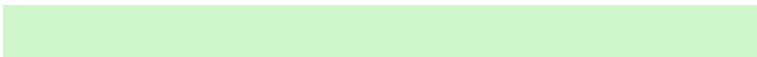
The Sweet Spot groups the original color and five complimentary colors.



84.1561, 0.2889, 0.3343



97.5663, 0.3057, 0.3304



82.8380, 0.3137, 0.3764



20.8127, 0.3048, 0.3306



0.0000, 0.0000, 0.0000

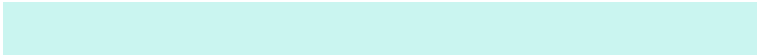


21.4041, 0.3127, 0.3290

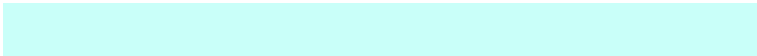


# Same Dimension

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



84.1561, 0.2889, 0.3343



90.8250, 0.2845, 0.3354



74.9053, 0.2853, 0.3110



18.7226, 0.2996, 0.3318



37.8789, 0.2349, 0.3656



3.3384, 0.2335, 0.3606



# Inverse Universe

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



66.1282, 0.3429, 0.3238



67.7819, 0.3503, 0.3227



74.0537, 0.3438, 0.3463



16.5139, 0.3275, 0.3263



10.5146, 0.6259, 0.3222

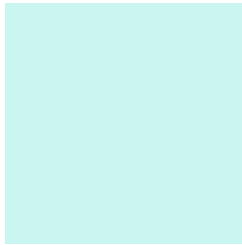


0.9341, 0.5998, 0.3078



# Previews

## White Background



This preview shows how the Yxy color 84.1526, 0.2889, 0.3343 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

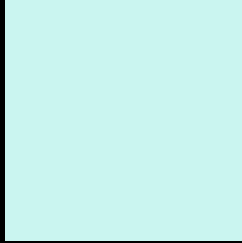
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.1526, 0.2889, 0.3343 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

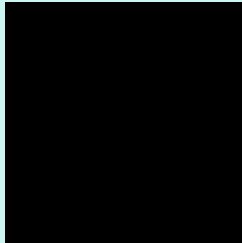
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

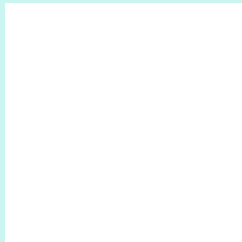
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.1526, 0.2889, 0.3343**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.1526, 0.2889, 0.3343.

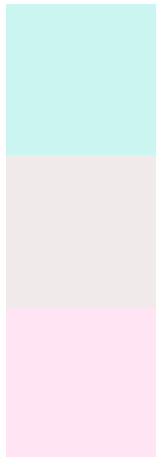


This preview shows how white text looks on a background with the Yxy color 84.1526, 0.2889, 0.3343.

# 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



### Original Color

84.1526, 0.2889, 0.3343

### Protanopia

83.8824, 0.3167, 0.3300

### Deuteranopia

83.7697, 0.3216, 0.3153



## Tritanopia

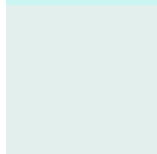
83.8363, 0.2876, 0.3134

# Trichromacy



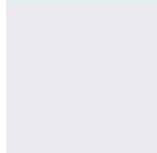
## Original Color

84.1526, 0.2889, 0.3343



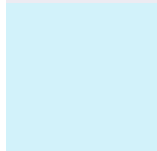
## Protanomaly

83.9579, 0.3060, 0.3321



## Deuteranomaly

83.6603, 0.3091, 0.3219



## Tritanomaly

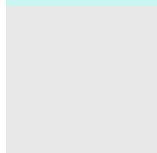
84.1080, 0.2881, 0.3205

# Monochromacy



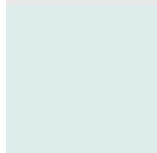
## Original Color

84.1526, 0.2889, 0.3343



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

81.9387, 0.3034, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.1526, 0.2889, 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(202, 245, 240)` looks like.

```
.text, #text, p{  
    color:rgb(202, 245, 240)  
}
```

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(202, 245, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 245, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 84.1526, 0.2889, 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(202, 245, 240) }
```

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

```
.border{ border-color:rgb(202, 245, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 245, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 245, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 245, 240);  
box-shadow:4px 4px 4px 4px rgb(202, 245,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.1526, 0.2889, 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(202, 245, 240) }
```

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

```
.background{ background-color: rgb(202,  
245, 240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor