

Converting Colors

$Yxy(84.8328, 0.2985, 0.3314)$

Have a look what the booklet for
Yxy(84.8328, 0.2985, 0.3314)
contains.

Yxy(84.7010, 0.2986, 0.3311)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(84.7010, 0.2986, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	DAF2F0
RGB	218, 242, 240
RGB Percent	85%, 95%, 94%
CMY	0.1451, 0.0509, 0.0590
CMYK	0.10, 0.00, 0.01, 0.05
HSL	175°, 48%, 90%
HSV	175°, 10%, 95%
XYZ	76.3869, 84.7010, 94.7290
YIQ	234.5960, -13.6620, -5.7100

Conversions

Conversions Part 2

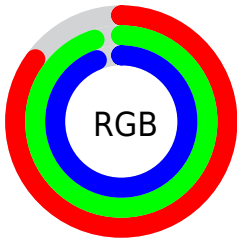
Format	Color
R _Y B	218, 231, 242
Decimal	14349040
CIE Lab	93.75, -8.21, -1.70
CIE LCh	94, 8.383, 191.682
Yxy	84.7010, 0.2986, 0.3311
Android (android.graphics.Color)	4292539120 (0xFFDAF2F0)
YUV	234.5960, 2.6642, -14.5547
Hunter-Lab	92.0331, -12.9041, 3.3965

Details

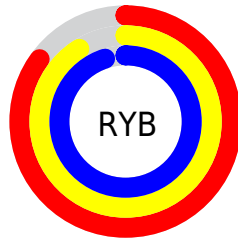
The Yxy color **84.7010, 0.2986, 0.3311** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.1883, 0.3288, 0.3269**, and the grayscale version is **82.7416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3650, 0.2955, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **81.1199, 0.2851, 0.3334**, and if you desaturate by 10%, it is **88.8354, 0.3128, 0.3290**.

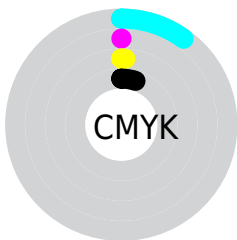
Distribution



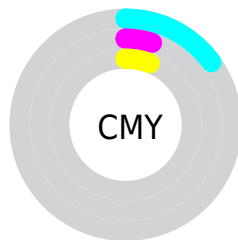
- Red (85%)
- Green (95%)
- Blue (94%)



- Red (85%)
- Yellow (91%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (5%)





- Cyan (15%)
- Magenta (5%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7010, 0.2986, 0.3311 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 84.7010, 0.2986, 0.3311 by changing the saturation by 10% instead.


 84.7010, 0.2986,
0.3311

 84.7010, 0.2986,
0.3311

510.6382, 0.3049,
0.3302

 63.5944, 0.2972,
0.3313

139.9554, 0.3008,
0.3308

 46.3222, 0.2955,
0.3315


174.8718, 0.3016,
0.3307

 32.5002, 0.2933,
0.3318


215.1604, 0.3024,
0.3306

 21.7438, 0.2906,
0.3322

261.2055, 0.3030,
0.3305

 13.6688, 0.2869,
0.3327

313.3914, 0.3036,
0.3304

 7.8907, 0.2818,
0.3333

372.1025, 0.3041,

 4.0251, 0.2742,

0.3303

437.7233, 0.3045,
0.3303

0.3342

1.6876, 0.2615,
0.3356

0.4156, 0.1647,
0.3518

84.7010, 0.2986,
0.3311

84.7010, 0.2986,
0.3311

81.1199, 0.2851,
0.3334

88.8354, 0.3128,
0.3290

78.0579, 0.2727,
0.3359

91.3086, 0.3200,
0.3270

75.4932, 0.2616,
0.3386

91.4349, 0.3187,
0.3250

73.3986, 0.2520,
0.3414

91.5627, 0.3174,
0.3230

71.7442, 0.2443,
0.3442

91.6918, 0.3162,
0.3210

70.4964, 0.2385,
0.3472

91.8224, 0.3149,
0.3191

69.6172, 0.2347,
0.3501

91.9544, 0.3136,
0.3171

69.0610, 0.2327,
0.3530

91.9912, 0.3133,
0.3166

68.7521, 0.2322,
0.3559

Harmonies

Analogous

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



84.7010, 0.3065, 0.3393



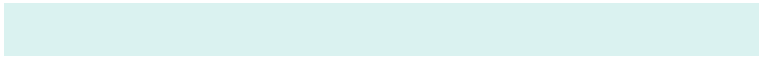
84.7010, 0.2986, 0.3311



84.7010, 0.2945, 0.3225

Triad

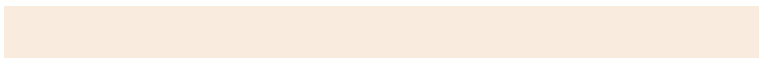
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7010, 0.2986, 0.3311



84.7010, 0.3091, 0.3140



84.7010, 0.3306, 0.3420

Complementary

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



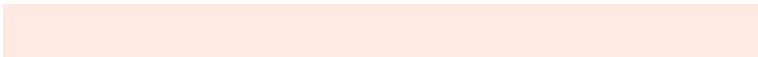
84.7010, 0.2986, 0.3311



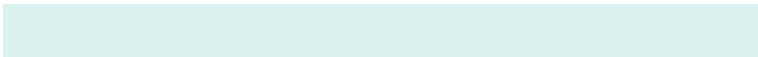
74.1883, 0.3288, 0.3269

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.



84.7010, 0.3313, 0.3351



84.7010, 0.2986, 0.3311



84.7010, 0.3188, 0.3191

Square

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



84.7010, 0.2986, 0.3311



84.7010, 0.3005, 0.3127



84.7010, 0.3270, 0.3267



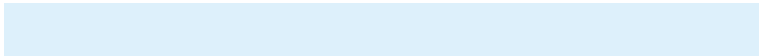
84.7010, 0.3250, 0.3456

Rectangle

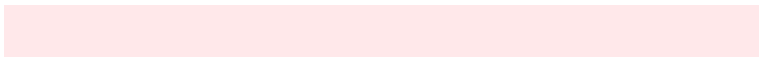
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



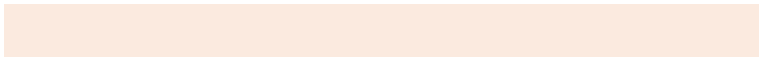
84.7010, 0.2986, 0.3311



84.7010, 0.2944, 0.3177



84.7010, 0.3270, 0.3267



84.7010, 0.3314, 0.3400

Sweetspot

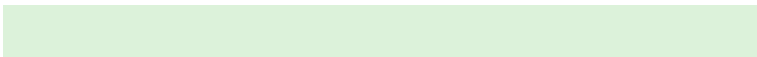
The Sweet Spot groups the original color and five complimentary colors.



84.7046, 0.2986, 0.3311



98.5358, 0.3084, 0.3296



83.8502, 0.3131, 0.3545



21.0090, 0.3072, 0.3298



0.0000, 0.0000, 0.0000



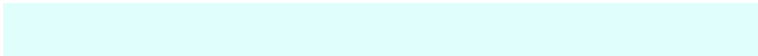
21.4041, 0.3127, 0.3290

Same Dimension

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



84.7046, 0.2986, 0.3311



94.4841, 0.2957, 0.3316



79.2570, 0.2973, 0.3188



17.9043, 0.2992, 0.3310



36.9392, 0.2321, 0.3554



3.0798, 0.2310, 0.3516

Inverse Universe

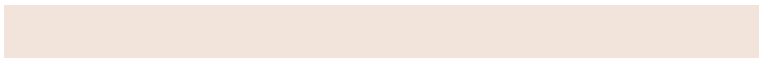
The Inverse Universe completely reimagines the original color for something new.



74.1883, 0.3288, 0.3269



80.3334, 0.3327, 0.3265



79.2082, 0.3291, 0.3390



15.7807, 0.3280, 0.3270



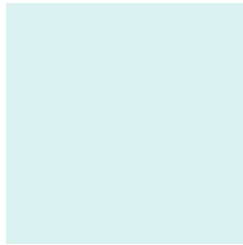
10.1775, 0.6306, 0.3247



0.8541, 0.6087, 0.3127

Previews

White Background



This preview shows how the Yxy color 84.7010, 0.2986, 0.3311 looks on a white background.

Color Contrast Check

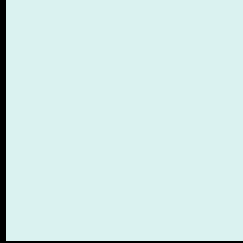
Large Text (above 18pt) WCAG AA × Fail

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 84.7010, 0.2986, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

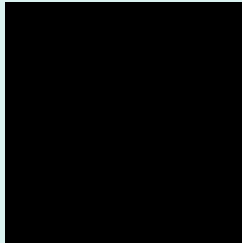
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

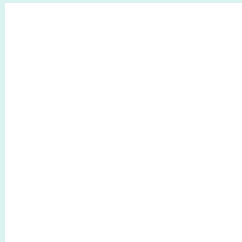
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.7010, 0.2986, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 84.7010, 0.2986, 0.3311.

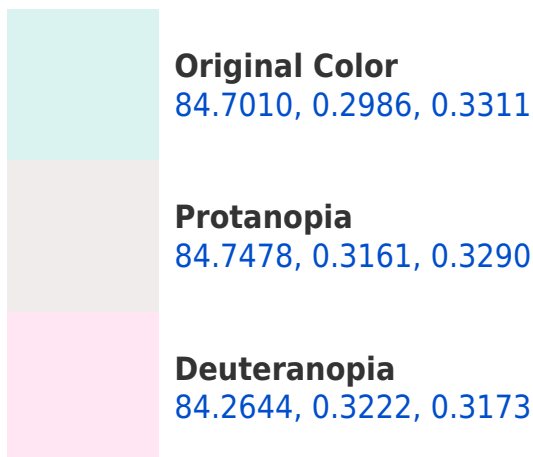


This preview shows how white text looks on a background with the Yxy color 84.7010, 0.2986, 0.3311.

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

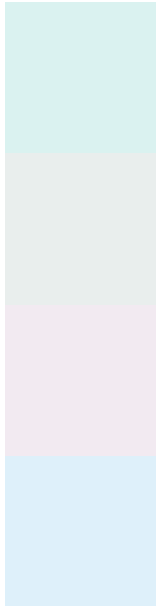




Tritanopia

84.8003, 0.2937, 0.3126

Trichromacy



Original Color

84.7010, 0.2986, 0.3311

Protanomaly

84.5871, 0.3100, 0.3300

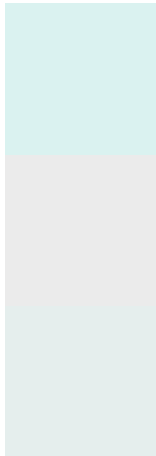
Deuteranomaly

84.0738, 0.3137, 0.3220

Tritanomaly

84.7519, 0.2953, 0.3187

Monochromacy



Original Color

84.7010, 0.2986, 0.3311

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.9215, 0.3074, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7010, 0.2986, 0.3311 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(218, 242, 240)` looks like.

```
.text, #text, p{  
    color:rgb(218, 242, 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(218, 242, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 242, 240) }
```

Border

The CSS property to change the border of an element to Yxy 84.7010, 0.2986, 0.3311 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(218, 242, 240) }
```

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

```
.border{ border-color:rgb(218, 242, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 242, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 242, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 242, 240);  
box-shadow:4px 4px 4px 4px rgb(218, 242,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7010, 0.2986, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 242, 240) }
```

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

```
.background{ background-color: rgb(218,  
242, 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