

Converting Colors

$Yxy(90.3248, 0.2935, 0.3507)$

Have a look what the booklet for
Yxy(90.3248, 0.2935, 0.3507)
contains.

Yxy(90.2979, 0.2937, 0.3512)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.2979, 0.2937, 0.3512)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFEA
RGB	204, 255, 234
RGB Percent	80%, 100%, 92%
CMY	0.2000, 0.0000, 0.0823
CMYK	0.20, 0.00, 0.08, 0.00
HSL	155°, 100%, 90%
HSV	155°, 20%, 100%
XYZ	75.5139, 90.2979, 91.3006
YIQ	237.3570, -23.6550, -17.3430

Conversions

Conversions Part 2

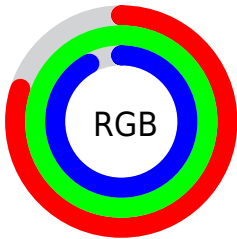
Format	Color
RYB	204, 236, 255
Decimal	13434858
CIELab	96.12, -20.19, 4.71
CIElCh	96, 20.729, 166.856
Yxy	90.2979, 0.2937, 0.3512
Android (android.graphics.Color)	4291624938 (0xFFCCFFEA)
YUV	237.3570, -1.6550, -29.2541
Hunter-Lab	95.0252, -24.4450, 9.5516

Details

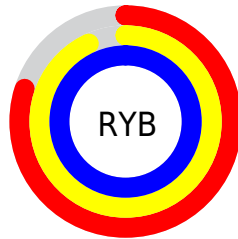
The Yxy color **90.2979, 0.2937, 0.3512** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.8806, 0.3367, 0.3079**, and the grayscale version is **85.0045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9921, 0.2897, 0.3565** is the 20% darker color. If you saturate the color by 10%, you get **86.4000, 0.2850, 0.3641**, and if you desaturate by 10%, it is **94.8227, 0.3030, 0.3395**.

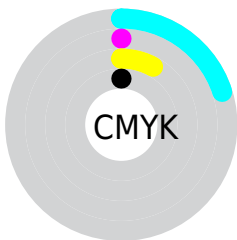
Distribution



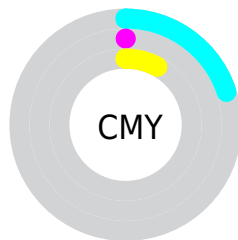
- Red (80%)
- Green (100%)
- Blue (92%)



- Red (80%)
- Yellow (93%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.2979, 0.2937, 0.3512 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 90.2979, 0.2937, 0.3512 by changing the saturation by 10% instead.


 90.2979, 0.2937,
0.3512

 90.2979, 0.2937,
0.3512


528.9994, 0.3022,
0.3412

 68.2277, 0.2918,
0.3534

147.7521, 0.2966,
0.3478

 50.0830, 0.2895,
0.3562


183.9050, 0.2978,
0.3464

 35.4794, 0.2866,
0.3596


225.5209, 0.2988,
0.3452

 24.0324, 0.2829,
0.3641

272.9842, 0.2996,
0.3442

 15.3576, 0.2780,
0.3700

326.6793, 0.3004,
0.3433

 9.0708, 0.2711,
0.3784

386.9906, 0.3011,

 4.7874, 0.2609,

0.3425

0.3910

454.3025, 0.3017,
0.3418

■ 2.1231, 0.2442,
0.4122

■ 0.6775, 0.1222,
0.5478

■ 90.2979, 0.2937,
0.3512

■ 90.2979, 0.2937,
0.3512

■ 86.4000, 0.2850,
0.3641

■ 94.8227, 0.3030,
0.3395


■ 83.0978, 0.2771,
0.3780


99.9998, 0.3127,
0.3290


■ 80.3602, 0.2705,
0.3930

100.0000, 0.3127,
0.3290

■ 78.1525, 0.2655,
0.4087

 76.4359, 0.2623,
0.4249

 75.1663, 0.2611,
0.4412

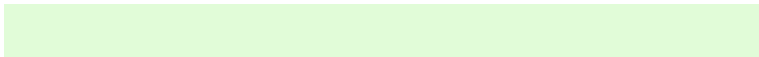
 74.2910, 0.2620,
0.4572

 73.7244, 0.2647,
0.4728

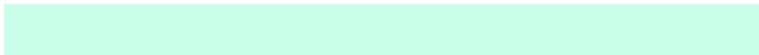
Harmonies

Analogous

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



90.2979, 0.3164, 0.3662



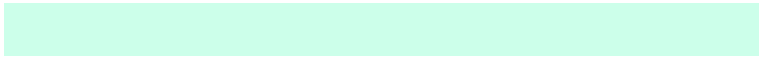
90.2979, 0.2937, 0.3512



90.2979, 0.2765, 0.3298

Triad

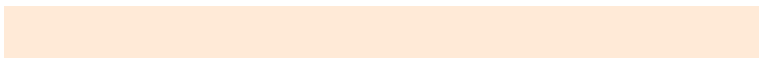
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.2979, 0.2937, 0.3512



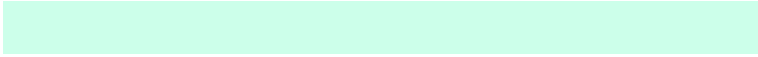
90.2979, 0.2862, 0.2902



90.2979, 0.3588, 0.3461

Complementary

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



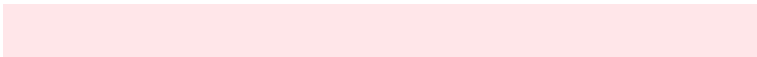
90.2979, 0.2937, 0.3512



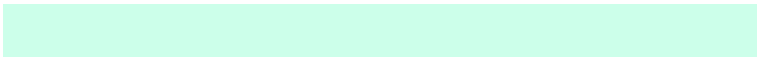
69.8806, 0.3367, 0.3079

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.



90.2979, 0.3501, 0.3265



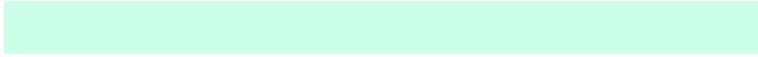
90.2979, 0.2937, 0.3512



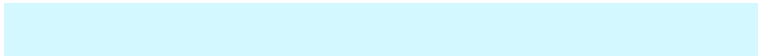
90.2979, 0.3076, 0.2951

Square

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



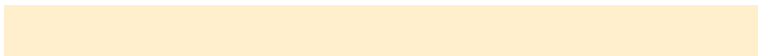
90.2979, 0.2937, 0.3512



90.2979, 0.2723, 0.2950



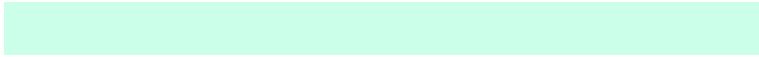
90.2979, 0.3312, 0.3082



90.2979, 0.3545, 0.3622

Rectangle

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



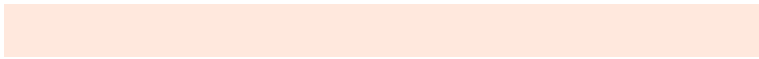
90.2979, 0.2937, 0.3512



90.2979, 0.2701, 0.3156



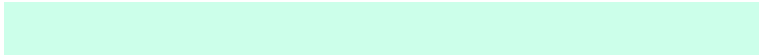
90.2979, 0.3312, 0.3082



90.2979, 0.3573, 0.3397

Sweetspot

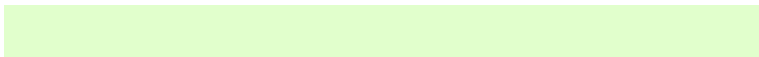
The Sweet Spot groups the original color and five complimentary colors.



90.2986, 0.2937, 0.3512



96.8139, 0.3069, 0.3352



91.9272, 0.3235, 0.3823



20.6510, 0.3063, 0.3359



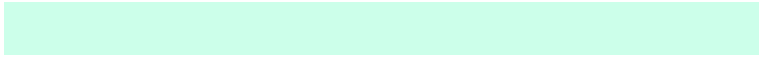
0.0000, 0.0000, 0.0000



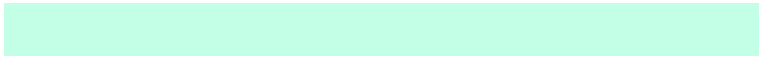
21.4041, 0.3127, 0.3290

Same Dimension

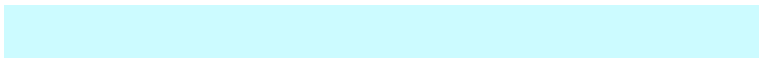
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.2986, 0.2937, 0.3512



88.6658, 0.2901, 0.3562



88.8954, 0.2824, 0.3245



20.3476, 0.3035, 0.3390



38.5530, 0.2640, 0.4702



3.7755, 0.2590, 0.4524

Inverse Universe

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



69.8806, 0.3367, 0.3079



64.8681, 0.3427, 0.3034



70.8529, 0.3518, 0.3335



18.1110, 0.3229, 0.3193



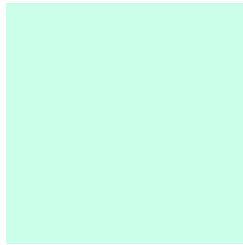
11.6689, 0.5337, 0.2714



1.1572, 0.5040, 0.2550

Previews

White Background



This preview shows how the Yxy color 90.2979, 0.2937, 0.3512 looks on a white background.

Color Contrast Check

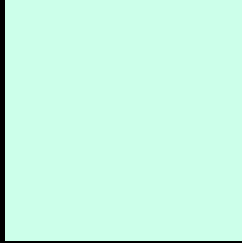
Large Text (above 18pt) WCAG AA × Fail

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 90.2979, 0.2937, 0.3512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

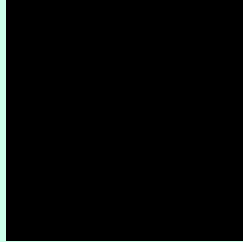
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

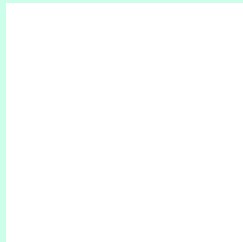
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.2979, 0.2937, 0.3512

Background



This preview shows how black text looks on a background with the Yxy color 90.2979, 0.2937, 0.3512.

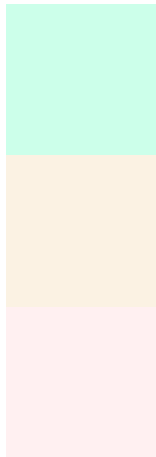


This preview shows how white text looks on a background with the Yxy color 90.2979, 0.2937, 0.3512.

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

90.2979, 0.2937, 0.3512

Protanopia

89.5595, 0.3279, 0.3439

Deuteranopia

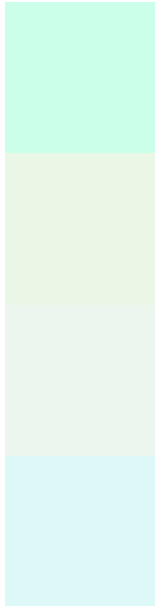
89.9311, 0.3220, 0.3281



Tritanopia

89.9545, 0.2975, 0.3199

Trichromacy



Original Color

90.2979, 0.2937, 0.3512

Protanomaly

89.7271, 0.3145, 0.3463

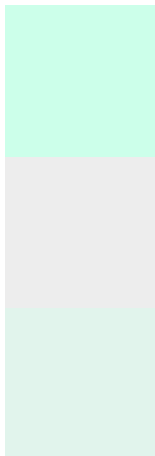
Deuteranomaly

89.3107, 0.3111, 0.3361

Tritanomaly

89.8389, 0.2965, 0.3310

Monochromacy



Original Color

90.2979, 0.2937, 0.3512

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

86.7650, 0.3053, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2979, 0.2937, 0.3512 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(204, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 234)  
}
```

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(204, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 234) }
```

Border

The CSS property to change the border of an element to Yxy 90.2979, 0.2937, 0.3512 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(204, 255, 234) }
```

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

```
.border{ border-color:rgb(204, 255, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2979, 0.2937, 0.3512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 234) }
```

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

```
.background{ background-color: rgb(204,  
255, 234) }
```

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