

Converting Colors

$Yxy(90.7894, 0.2951, 0.3503)$

Have a look what the booklet for
Yxy(90.7894, 0.2951, 0.3503)
contains.

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Color

Yxy(90.7836, 0.2949, 0.3500)

Conversions

Conversions Part 1

Format	Color
Hex	CFFFEB
RGB	207, 255, 235
RGB Percent	81%, 100%, 92%
CMY	0.1882, 0.0000, 0.0783
CMYK	0.19, 0.00, 0.08, 0.00
HSL	155°, 100%, 91%
HSV	155°, 19%, 100%
XYZ	76.4917, 90.7836, 92.1064
YIQ	238.3680, -22.1880, -16.3960

Conversions

Conversions Part 2

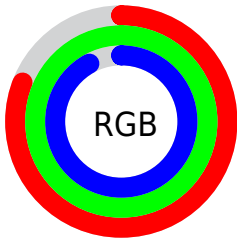
Format	Color
R_{YB}	207, 237, 255
Decimal	13631467
CIE _{Lab}	96.32, -19.06, 4.51
CIE _{LCh}	96, 19.586, 166.698
Yxy	90.7836, 0.2949, 0.3500
Android (android.graphics.Color)	4291821547 (0xFFCFFFE _B)
YUV	238.3680, -1.6604, -27.5097
Hunter-Lab	95.2804, -23.4399, 9.3814

Details

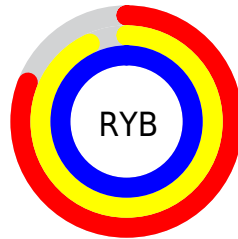
The Yxy color **90.7836, 0.2949, 0.3500** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.4351, 0.3348, 0.3089**, and the grayscale version is **85.8298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.3182, 0.2911, 0.3549** is the 20% darker color. If you saturate the color by 10%, you get **86.8096, 0.2861, 0.3629**, and if you desaturate by 10%, it is **95.3928, 0.3042, 0.3383**.

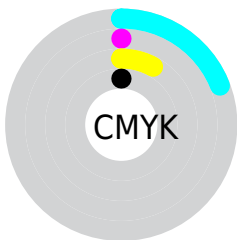
Distribution



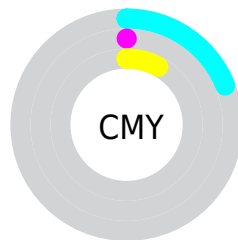
- Red (81%)
- Green (100%)
- Blue (92%)



- Red (81%)
- Yellow (93%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.7836, 0.2949, 0.3500 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 90.7836, 0.2949, 0.3500 by changing the saturation by 10% instead.


 90.7836, 0.2949,
0.3500

 90.7836, 0.2949,
0.3500

530.5766, 0.3029,
0.3405

 68.6307, 0.2931,
0.3521


148.4264, 0.2976,
0.3468

 50.4110, 0.2910,
0.3547


184.6851, 0.2987,
0.3455

 35.7401, 0.2883,
0.3579


226.4145, 0.2996,
0.3444

 24.2335, 0.2848,
0.3621

273.9991, 0.3004,
0.3434

 15.5070, 0.2802,
0.3677

327.8232, 0.3012,
0.3426

 9.1759, 0.2739,
0.3755

388.2712, 0.3018,

 4.8561, 0.2644,

0.3418

0.3873

455.7275, 0.3024,
0.3411

■ 2.1631, 0.2488,
0.4070

■ 0.6998, 0.1484,
0.5197

■ 90.7836, 0.2949,
0.3500

■ 90.7836, 0.2949,
0.3500

■ 86.8096, 0.2861,
0.3629

■ 95.3928, 0.3042,
0.3383

■ 83.4335, 0.2782,
0.3769

100.0000, 0.3127,
0.3290

■ 80.6268, 0.2715,
0.3919

■ 78.3549, 0.2663,
0.4078

■ 76.5798, 0.2629,
0.4241

■ 75.2579, 0.2615,
0.4406

■ 74.3378, 0.2622,
0.4569

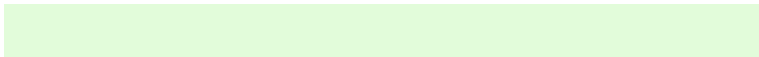
■ 73.7452, 0.2648,
0.4727

■ 73.6856, 0.2651,
0.4745

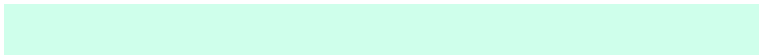
Harmonies

Analogous

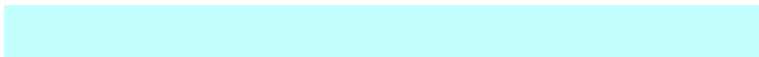
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7836, 0.3164, 0.3641



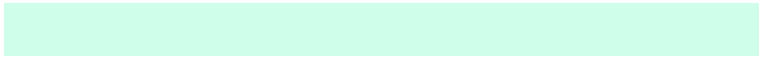
90.7836, 0.2949, 0.3500



90.7836, 0.2785, 0.3300

Triad

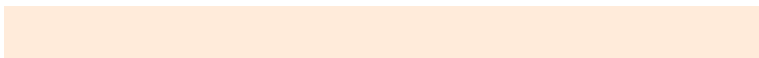
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.7836, 0.2949, 0.3500



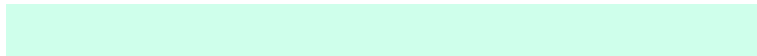
90.7836, 0.2876, 0.2923



90.7836, 0.3561, 0.3451

Complementary

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



90.7836, 0.2949, 0.3500



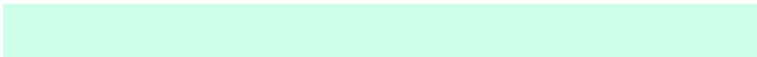
71.4351, 0.3348, 0.3089

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.



90.7836, 0.3479, 0.3266



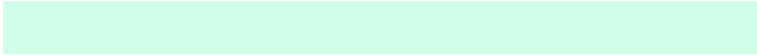
90.7836, 0.2949, 0.3500



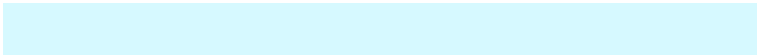
90.7836, 0.3078, 0.2969

Square

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



90.7836, 0.2949, 0.3500



90.7836, 0.2745, 0.2970



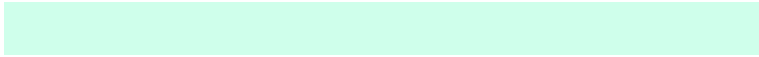
90.7836, 0.3300, 0.3092



90.7836, 0.3521, 0.3603

Rectangle

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



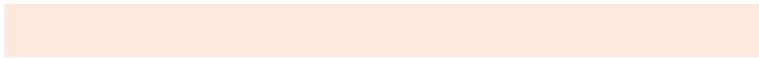
90.7836, 0.2949, 0.3500



90.7836, 0.2725, 0.3165



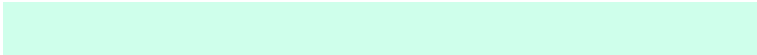
90.7836, 0.3300, 0.3092



90.7836, 0.3547, 0.3391

Sweetspot

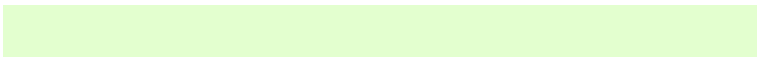
The Sweet Spot groups the original color and five complimentary colors.



90.7863, 0.2949, 0.3500



96.8094, 0.3069, 0.3352



92.3572, 0.3229, 0.3789



20.6500, 0.3063, 0.3359



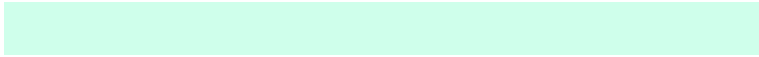
0.0000, 0.0000, 0.0000



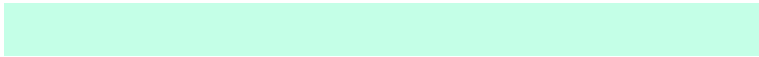
21.4041, 0.3127, 0.3290

Same Dimension

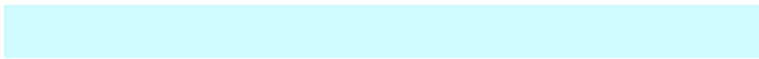
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7863, 0.2949, 0.3500



89.0491, 0.2911, 0.3552



89.4815, 0.2841, 0.3248



20.3461, 0.3036, 0.3391



38.5328, 0.2644, 0.4719



3.7736, 0.2594, 0.4539

Inverse Universe

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



71.4351, 0.3348, 0.3089



66.1057, 0.3409, 0.3042



72.3580, 0.3490, 0.3332



18.1125, 0.3229, 0.3191



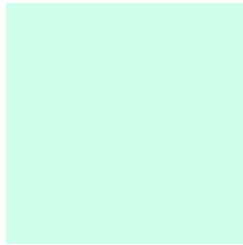
11.6821, 0.5317, 0.2703



1.1586, 0.5022, 0.2540

Previews

White Background



This preview shows how the Yxy color 90.7836, 0.2949, 0.3500 looks on a white background.

Color Contrast Check

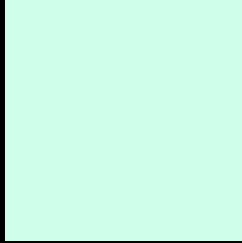
Large Text (above 18pt) WCAG AA × Fail

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 90.7836, 0.2949, 0.3500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

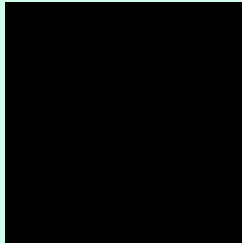
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

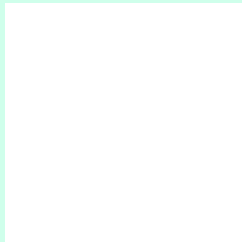
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.7836, 0.2949, 0.3500

Background



This preview shows how black text looks on a background with the Yxy color 90.7836, 0.2949, 0.3500.

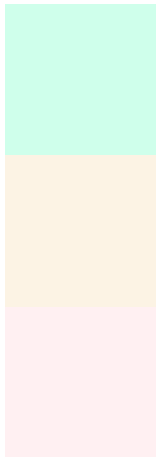


This preview shows how white text looks on a background with the Yxy color 90.7836, 0.2949, 0.3500.

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

90.7836, 0.2949, 0.3500

Protanopia

90.3981, 0.3279, 0.3438

Deuteranopia

89.9910, 0.3214, 0.3271



Tritanopia

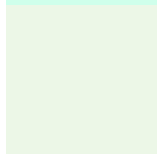
90.2873, 0.2987, 0.3200

Trichromacy



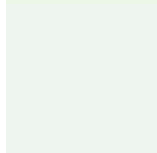
Original Color

90.7836, 0.2949, 0.3500



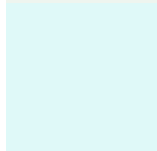
Protanomaly

90.1239, 0.3152, 0.3452



Deuteranomaly

89.7140, 0.3118, 0.3350



Tritanomaly

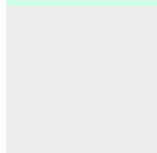
90.2166, 0.2972, 0.3300

Monochromacy



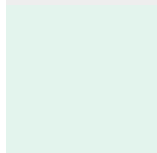
Original Color

90.7836, 0.2949, 0.3500



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.1467, 0.3060, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.7836, 0.2949, 0.3500 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(207, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 235)  
}
```

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(207, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 235) }
```

Border

The CSS property to change the border of an element to Yxy 90.7836, 0.2949, 0.3500 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(207, 255, 235) }
```

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

```
.border{ border-color:rgb(207, 255, 235) }
```

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

Here you see how a box with a 4 pixel rgb(207, 255, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 90.7836, 0.2949, 0.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 235) }
```

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

```
.background{ background-color: rgb(207,  
255, 235) }
```

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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