

Converting Colors

$Y_{xy}(100.0000, 0.2955, 0.3655)$

Have a look what the booklet for
Yxy(100.0000, 0.2955, 0.3655)
contains.

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Color

Yxy(90.5823, 0.2949, 0.3511)

Conversions

Conversions Part 1

Format	Color
Hex	CEFFEA
RGB	206, 255, 234
RGB Percent	81%, 100%, 92%
CMY	0.1918, 0.0001, 0.0823
CMYK	0.19, 0.00, 0.08, 0.00
HSL	154°, 100%, 90%
HSV	154°, 19%, 100%
XYZ	76.0829, 90.5823, 91.3305
YIQ	237.9550, -22.4630, -16.9190

Conversions

Conversions Part 2

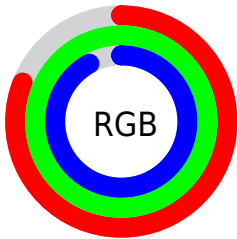
Format	Color
R_{YB}	206, 237, 255
Decimal	13565930
CIE Lab	96.24, -19.53, 4.90
CIE LCh	96, 20.137, 165.928
Yxy	90.5823, 0.2949, 0.3511
Android (android.graphics.Color)	4291756010 (0xFFCEFFEA)
YUV	237.9550, -1.9498, -28.0245
Hunter-Lab	95.1747, -23.8624, 9.7271

Details

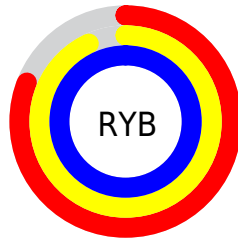
The Yxy color **90.5823, 0.2949, 0.3511** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.9866, 0.3349, 0.3079**, and the grayscale version is **85.5057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1818, 0.2911, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **86.6169, 0.2863, 0.3644**, and if you desaturate by 10%, it is **95.1861, 0.3041, 0.3390**.

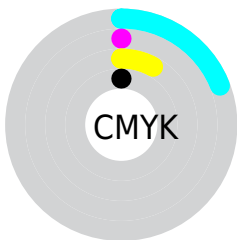
Distribution



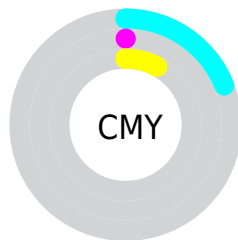
- Red (81%)
- Green (100%)
- Blue (92%)



- 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 90.5823, 0.2949, 0.3511 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 90.5823, 0.2949, 0.3511 by changing the saturation by 10% instead.


 90.5823, 0.2949,
0.3511

 90.5823, 0.2949,
0.3511


529.9232, 0.3029,
0.3411

 68.4637, 0.2931,
0.3533


148.1470, 0.2976,
0.3477

 50.2751, 0.2910,
0.3561

184.3618, 0.2987,
0.3463

 35.6320, 0.2883,
0.3595


226.0442, 0.2996,
0.3452

 24.1501, 0.2848,
0.3639

273.5786, 0.3005,
0.3442

 15.4450, 0.2802,
0.3698

327.3493, 0.3012,
0.3433

 9.1323, 0.2737,
0.3781

387.7407, 0.3018,

 4.8276, 0.2642,

0.3425

0.3906

455.1372, 0.3024,
0.3418

■ 2.1465, 0.2484,
0.4117

■ 0.6906, 0.1403,
0.5396

■ 90.5823, 0.2949,
0.3511

■ 90.5823, 0.2949,
0.3511

■ 86.6169, 0.2863,
0.3644

■ 95.1861, 0.3041,
0.3390


■ 83.2494, 0.2786,
0.3790


99.9912, 0.3127,
0.3290


■ 80.4520, 0.2720,
0.3945

■ 78.1901, 0.2670,
0.4109

 76.4254, 0.2637,
0.4278

 75.1140, 0.2625,
0.4448

 74.2040, 0.2634,
0.4615

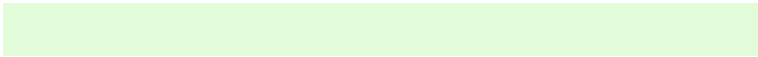
 73.6180, 0.2661,
0.4777

 73.5766, 0.2664,
0.4790

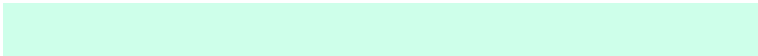
Harmonies

Analogous

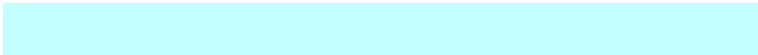
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5823, 0.3171, 0.3654



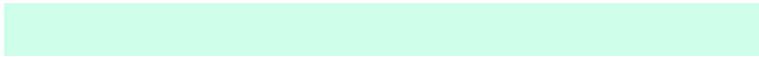
90.5823, 0.2949, 0.3511



90.5823, 0.2779, 0.3305

Triad

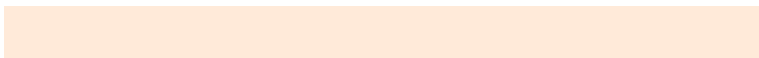
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.5823, 0.2949, 0.3511



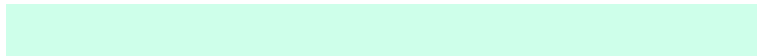
90.5823, 0.2865, 0.2913



90.5823, 0.3573, 0.3451

Complementary

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



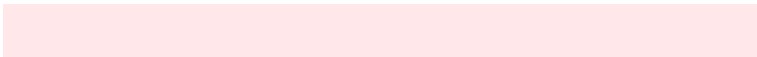
90.5823, 0.2949, 0.3511



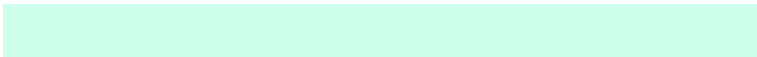
70.9866, 0.3349, 0.3079

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.



90.5823, 0.3486, 0.3260



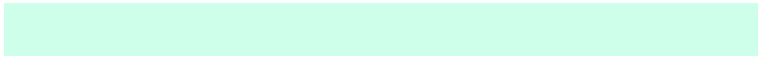
90.5823, 0.2949, 0.3511



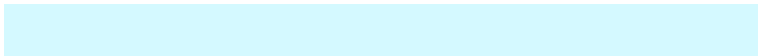
90.5823, 0.3071, 0.2958

Square

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



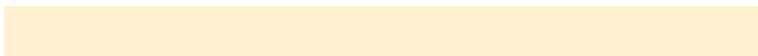
90.5823, 0.2949, 0.3511



90.5823, 0.2732, 0.2963



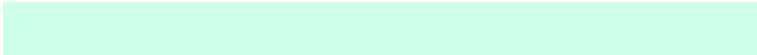
90.5823, 0.3299, 0.3083



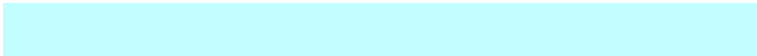
90.5823, 0.3535, 0.3609

Rectangle

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



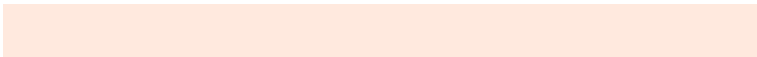
90.5823, 0.2949, 0.3511



90.5823, 0.2715, 0.3166



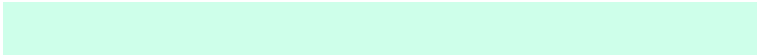
90.5823, 0.3299, 0.3083



90.5823, 0.3557, 0.3388

Sweetspot

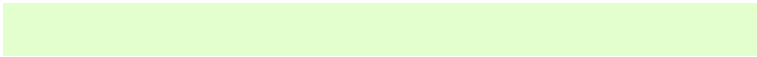
The Sweet Spot groups the original color and five complimentary colors.



90.5861, 0.2949, 0.3511



96.7975, 0.3070, 0.3354



92.3465, 0.3236, 0.3798



20.6472, 0.3064, 0.3361



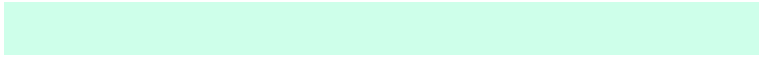
0.0000, 0.0000, 0.0000



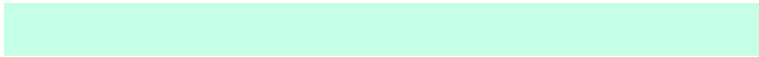
21.4041, 0.3127, 0.3290

Same Dimension

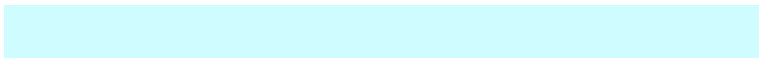
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.5861, 0.2949, 0.3511



89.0080, 0.2915, 0.3561



89.8009, 0.2837, 0.3255



20.3421, 0.3038, 0.3394



38.4806, 0.2657, 0.4764



3.7686, 0.2605, 0.4579

Inverse Universe

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



70.9866, 0.3349, 0.3079



66.1446, 0.3404, 0.3035



71.4852, 0.3500, 0.3324



18.1163, 0.3227, 0.3189



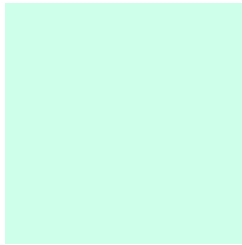
11.7178, 0.5266, 0.2674



1.1623, 0.4976, 0.2515

Previews

White Background



This preview shows how the Yxy color 90.5823, 0.2949, 0.3511 looks on a white background.

Color Contrast Check

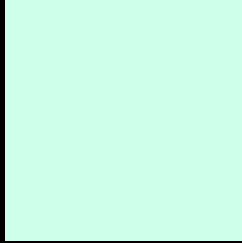
Large Text (above 18pt) WCAG AA × Fail

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 90.5823, 0.2949, 0.3511 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

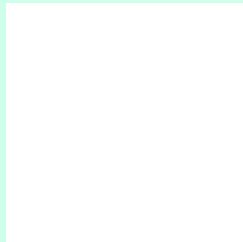
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.5823, 0.2949, 0.3511

Background



This preview shows how black text looks on a background with the Yxy color 90.5823, 0.2949, 0.3511.

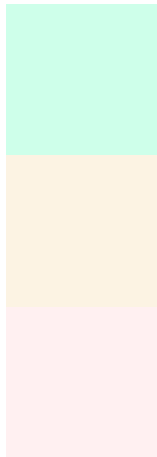


This preview shows how white text looks on a background with the Yxy color 90.5823, 0.2949, 0.3511.

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

90.5823, 0.2949, 0.3511

Protanopia

90.3427, 0.3285, 0.3448

Deuteranopia

89.9311, 0.3220, 0.3281



Tritanopia

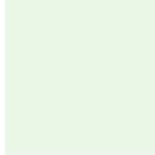
90.1205, 0.2981, 0.3200

Trichromacy



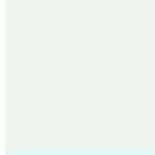
Original Color

90.5823, 0.2949, 0.3511



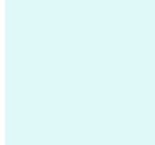
Protanomaly

89.8969, 0.3151, 0.3463



Deuteranomaly

89.4824, 0.3117, 0.3360



Tritanomaly

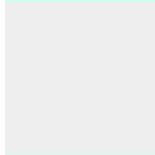
89.9964, 0.2971, 0.3310

Monochromacy



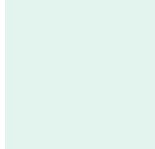
Original Color

90.5823, 0.2949, 0.3511



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

86.9845, 0.3053, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.5823, 0.2949, 0.3511 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(206, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 234) }
```

Border

The CSS property to change the border of an element to Yxy 90.5823, 0.2949, 0.3511 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(206, 255, 234) }
```

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

```
.border{ border-color:rgb(206, 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(206, 255, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5823, 0.2949, 0.3511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 234) }
```

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

```
.background{ background-color: rgb(206,  
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](#).

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