

Converting Colors

Yxy(90.5946, 0.2910, 0.3457)

Have a look what the booklet for
Yxy(90.5946, 0.2910, 0.3457)
contains.

Yxy(90.5894, 0.2910, 0.3458)	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(90.5894, 0.2910, 0.3458)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFEF
RGB	204, 255, 239
RGB Percent	80%, 100%, 94%
CMY	0.2002, 0.0000, 0.0626
CMYK	0.20, 0.00, 0.06, 0.00
HSL	161°, 100%, 90%
HSV	161°, 20%, 100%
XYZ	76.2334, 90.5894, 95.1477
YIQ	237.9270, -25.2600, -15.7880

Conversions

Conversions Part 2

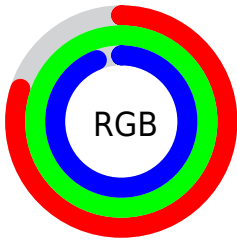
Format	Color
RYB	204, 234, 255
Decimal	13434863
CIELab	96.24, -19.24, 2.31
CIElCh	96, 19.377, 173.156
Yxy	90.5894, 0.2910, 0.3458
Android (android.graphics.Color)	4291624943 (0xFFCCFFEF)
YUV	237.9270, 0.5290, -29.7540
Hunter-Lab	95.1785, -23.5923, 7.3541

Details

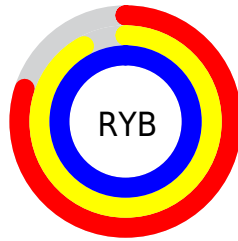
The Yxy color **90.5894, 0.2910, 0.3458** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.5835, 0.3405, 0.3129**, and the grayscale version is **85.4397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1966, 0.2864, 0.3494** is the 20% darker color. If you saturate the color by 10%, you get **86.8101, 0.2811, 0.3554**, and if you desaturate by 10%, it is **94.9673, 0.3016, 0.3370**.

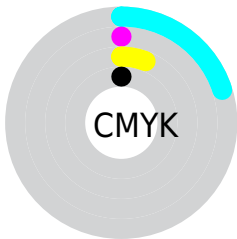
Distribution



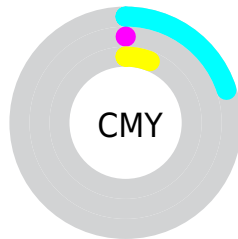
- Red (80%)
- Green (100%)
- Blue (94%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.5894, 0.2910, 0.3458 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 90.5894, 0.2910, 0.3458 by changing the saturation by 10% instead.

 90.5894, 0.2910,
0.3458

 90.5894, 0.2910,
0.3458


529.9463, 0.3007,
0.3383

 68.4696, 0.2889,
0.3475


148.1568, 0.2943,
0.3432

 50.2799, 0.2863,
0.3495

184.3732, 0.2956,
0.3422

 35.6358, 0.2830,
0.3521


226.0573, 0.2967,
0.3413

 24.1531, 0.2789,
0.3553

273.5934, 0.2977,
0.3406

 15.4472, 0.2735,
0.3597

327.3660, 0.2986,
0.3399

 9.1338, 0.2659,
0.3657

387.7594, 0.2994,

 4.8286, 0.2548,

0.3393

0.3748

455.1580, 0.3001,
0.3388

■ 2.1470, 0.2368,
0.3896

■ 0.6909, 0.1273,
0.4704

■ 90.5894, 0.2910,
0.3458

■ 90.5894, 0.2910,
0.3458

■ 86.8101, 0.2811,
0.3554

■ 94.9673, 0.3016,
0.3370

■ 83.6185, 0.2722,
0.3659

99.9888, 0.3127,
0.3290

■ 80.9773, 0.2647,
0.3770

100.0000, 0.3127,
0.3290

■ 78.8521, 0.2588,
0.3886

■ 77.2046, 0.2548,
0.4006

■ 75.9908, 0.2528,
0.4127

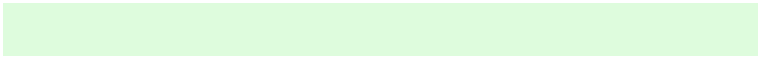
■ 75.1586, 0.2528,
0.4248

■ 74.6235, 0.2546,
0.4366

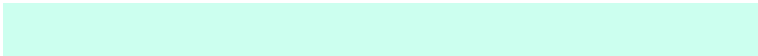
Harmonies

Analogous

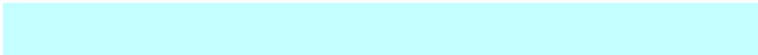
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5894, 0.3116, 0.3615



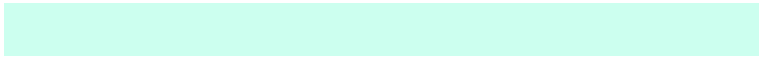
90.5894, 0.2910, 0.3458



90.5894, 0.2765, 0.3255

Triad

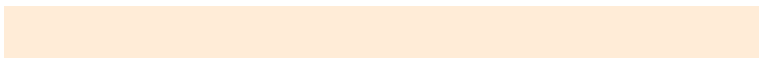
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.5894, 0.2910, 0.3458



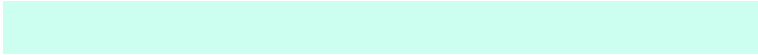
90.5894, 0.2918, 0.2929



90.5894, 0.3558, 0.3487

Complementary

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



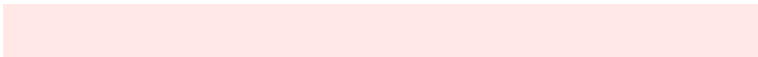
90.5894, 0.2910, 0.3458



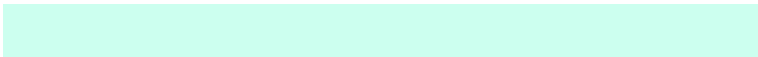
69.5835, 0.3405, 0.3129

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.



90.5894, 0.3503, 0.3306



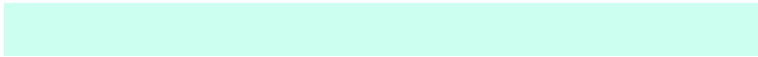
90.5894, 0.2910, 0.3458



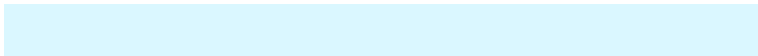
90.5894, 0.3127, 0.2992

Square

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



90.5894, 0.2910, 0.3458



90.5894, 0.2769, 0.2955



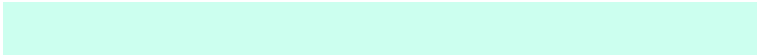
90.5894, 0.3342, 0.3128



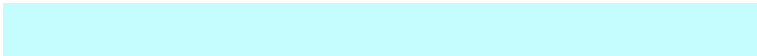
90.5894, 0.3494, 0.3624

Rectangle

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



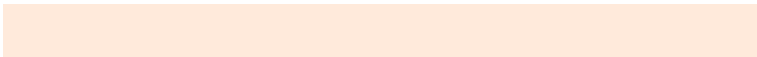
90.5894, 0.2910, 0.3458



90.5894, 0.2719, 0.3127



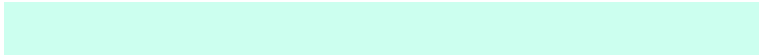
90.5894, 0.3342, 0.3128



90.5894, 0.3553, 0.3429

Sweetspot

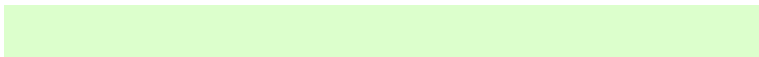
The Sweet Spot groups the original color and five complimentary colors.



90.5834, 0.2910, 0.3458



96.9083, 0.3060, 0.3337



91.1105, 0.3202, 0.3829



20.6734, 0.3053, 0.3342



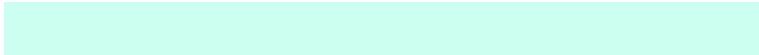
0.0000, 0.0000, 0.0000



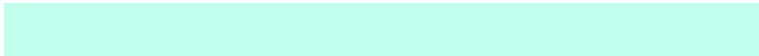
21.4041, 0.3127, 0.3290

Same Dimension

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



90.5834, 0.2910, 0.3458



89.0104, 0.2870, 0.3495



85.7427, 0.2820, 0.3191



20.3790, 0.3022, 0.3365



39.0206, 0.2541, 0.4346



3.8190, 0.2503, 0.4210

Inverse Universe

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



69.5835, 0.3405, 0.3129



64.5561, 0.3475, 0.3095



73.3599, 0.3509, 0.3387



18.0807, 0.3245, 0.3216



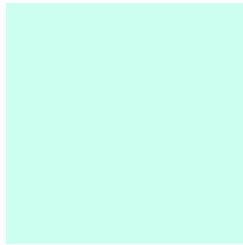
11.4334, 0.5722, 0.2926



1.1319, 0.5403, 0.2750

Previews

White Background



This preview shows how the Yxy color 90.5894, 0.2910, 0.3458 looks on a white background.

Color Contrast Check

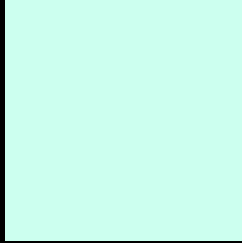
Large Text (above 18pt) WCAG AA × Fail

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 90.5894, 0.2910, 0.3458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

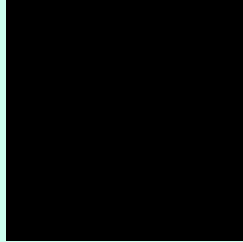
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

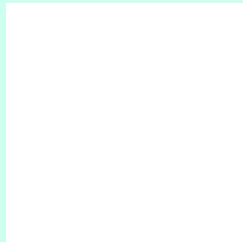
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.5894, 0.2910, 0.3458

Background



This preview shows how black text looks on a background with the Yxy color 90.5894, 0.2910, 0.3458.

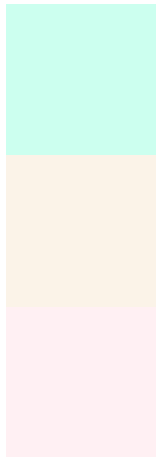


This preview shows how white text looks on a background with the Yxy color 90.5894, 0.2910, 0.3458.

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

90.5894, 0.2910, 0.3458

Protanopia

90.4366, 0.3247, 0.3399

Deuteranopia

90.0512, 0.3208, 0.3261



Tritanopia

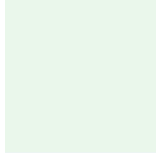
89.9545, 0.2975, 0.3199

Trichromacy



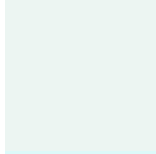
Original Color

90.5894, 0.2910, 0.3458



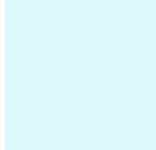
Protanomaly

90.0121, 0.3115, 0.3412



Deuteranomaly

89.5485, 0.3087, 0.3320



Tritanomaly

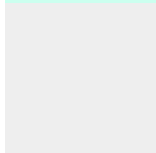
89.9631, 0.2954, 0.3290

Monochromacy



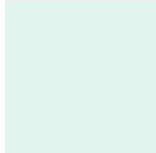
Original Color

90.5894, 0.2910, 0.3458



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.0432, 0.3048, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.5894, 0.2910, 0.3458 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, 239)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 239)  
}
```

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, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 239) }
```

Border

The CSS property to change the border of an element to Yxy 90.5894, 0.2910, 0.3458 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, 239) }
```

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

```
.border{ border-color:rgb(204, 255, 239) }
```

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, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5894, 0.2910, 0.3458 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, 239) }
```

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

```
.background{ background-color: rgb(204,  
255, 239) }
```

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