

Converting Colors

$Y_{xy}(100.0000, 0.2952, 0.3669)$

Have a look what the booklet for
Yxy(100.0000, 0.2952, 0.3669)
contains.

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Color

Yxy(90.3823, 0.2948, 0.3523)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | CDFFE9 |
| RGB | 205, 255, 233 |
| RGB Percent | 80%, 100%, 91% |
| CMY | 0.1963, 0.0000, 0.0863 |
| CMYK | 0.20, 0.00, 0.09, 0.00 |
| HSL | 154°, 100%, 90% |
| HSV | 154°, 20%, 100% |
| XYZ | 75.6307, 90.3823, 90.5362 |
| YIQ | 237.5420, -22.7380, -17.4420 |

Conversions

Conversions Part 2

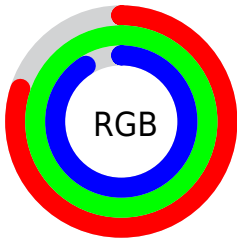
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 205, 237, 255 |
| Decimal | 13500393 |
| CIE _{Lab} | 96.16, -20.10, 5.30 |
| CIE _{LCh} | 96, 20.785, 165.222 |
| Yxy | 90.3823, 0.2948, 0.3523 |
| Android (android.graphics.Color) | 4291690473 (0xFFCDDFE9) |
| YUV | 237.5420, -2.2392, -28.5393 |
| Hunter-Lab | 95.0696, -24.3697, 10.0860 |

Details

The Yxy color **90.3823, 0.2948, 0.3523** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.4396, 0.3351, 0.3069**, and the grayscale version is **85.1425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0465, 0.2911, 0.3578** is the 20% darker color. If you saturate the color by 10%, you get **86.4181, 0.2864, 0.3660**, and if you desaturate by 10%, it is **94.9603, 0.3038, 0.3398**.

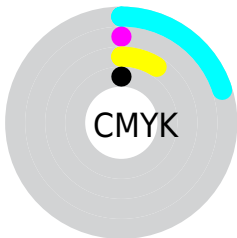
Distribution



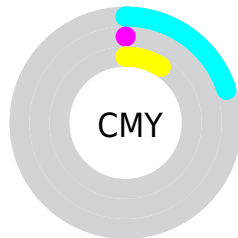
- Red (80%)
- Green (100%)
- Blue (91%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.3823, 0.2948, 0.3523 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 90.3823, 0.2948, 0.3523 by changing the saturation by 10% instead.

 90.3823, 0.2948,
0.3523

 90.3823, 0.2948,
0.3523

529.2737, 0.3029,
0.3418

 68.2978, 0.2930,
0.3547

147.8693, 0.2976,
0.3487

 50.1400, 0.2908,
0.3576


184.0406, 0.2986,
0.3473

 35.5247, 0.2881,
0.3612


225.6762, 0.2996,
0.3460

 24.0673, 0.2846,
0.3659

273.1606, 0.3004,
0.3450

 15.3836, 0.2799,
0.3721

326.8781, 0.3011,
0.3440

 9.0890, 0.2734,
0.3809

387.2132, 0.3018,

 4.7993, 0.2637,

0.3432

0.3943

454.5503, 0.3023,
0.3424

■ 2.1300, 0.2476,
0.4168

■ 0.6814, 0.1298,
0.5633

■ 90.3823, 0.2948,
0.3523

■ 90.3823, 0.2948,
0.3523

■ 86.4181, 0.2864,
0.3660

■ 94.9603, 0.3038,
0.3398

■ 83.0652, 0.2788,
0.3810

100.0000, 0.3127,
0.3290

■ 80.2828, 0.2724,
0.3971

■ 78.0362, 0.2675,
0.4139

■ 76.2868, 0.2645,
0.4313

■ 74.9903, 0.2635,
0.4488

■ 74.0944, 0.2645,
0.4659

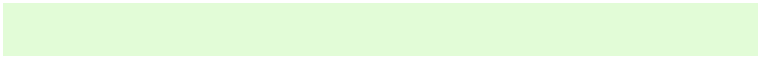
■ 73.5170, 0.2674,
0.4824

■ 73.4984, 0.2675,
0.4830

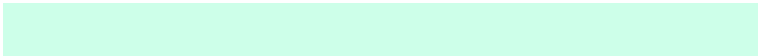
Harmonies

Analogous

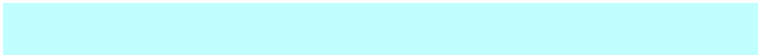
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3823, 0.3177, 0.3669



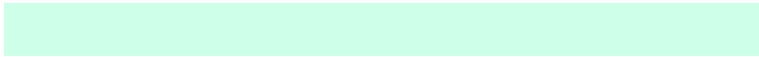
90.3823, 0.2948, 0.3523



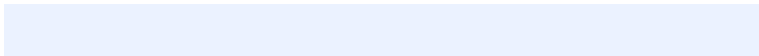
90.3823, 0.2771, 0.3311

Triad

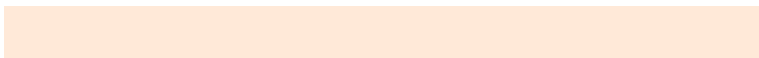
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.3823, 0.2948, 0.3523



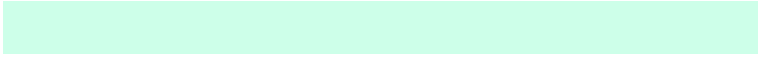
90.3823, 0.2852, 0.2901



90.3823, 0.3587, 0.3451

Complementary

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



90.3823, 0.2948, 0.3523



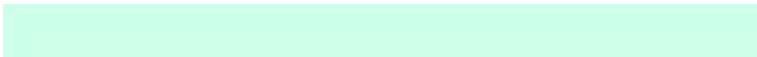
70.4396, 0.3351, 0.3069

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.



90.3823, 0.3494, 0.3254



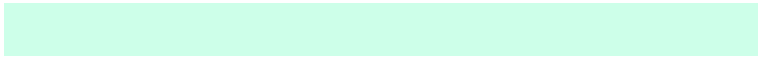
90.3823, 0.2948, 0.3523



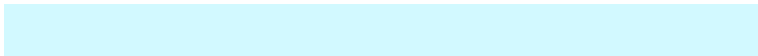
90.3823, 0.3063, 0.2945

Square

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



90.3823, 0.2948, 0.3523



90.3823, 0.2717, 0.2955



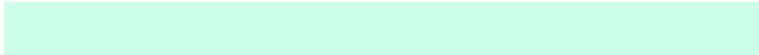
90.3823, 0.3300, 0.3072



90.3823, 0.3551, 0.3616

Rectangle

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



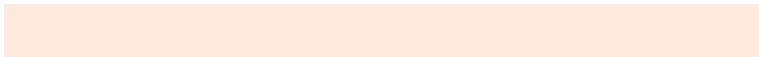
90.3823, 0.2948, 0.3523



90.3823, 0.2704, 0.3167



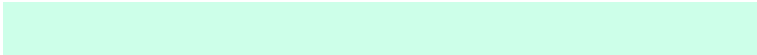
90.3823, 0.3300, 0.3072



90.3823, 0.3570, 0.3387

Sweetspot

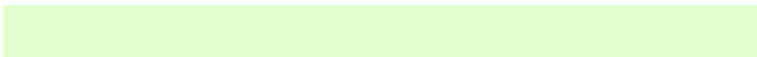
The Sweet Spot groups the original color and five complimentary colors.



90.3734, 0.2948, 0.3523



96.7869, 0.3071, 0.3356



92.3323, 0.3243, 0.3810



20.6446, 0.3065, 0.3363



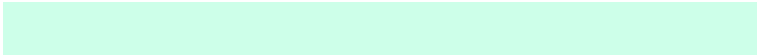
0.0000, 0.0000, 0.0000



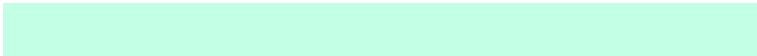
21.4041, 0.3127, 0.3290

Same Dimension

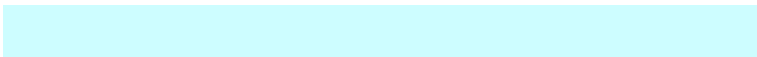
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3734, 0.2948, 0.3523



88.5689, 0.2910, 0.3581



90.1246, 0.2831, 0.3263



20.3386, 0.3039, 0.3397



38.4350, 0.2668, 0.4803



3.7643, 0.2615, 0.4614

Inverse Universe

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



70.4396, 0.3351, 0.3069



64.9600, 0.3413, 0.3017



70.5074, 0.3513, 0.3317



18.1198, 0.3225, 0.3186



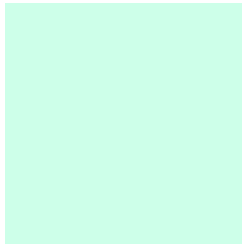
11.7508, 0.5219, 0.2649



1.1657, 0.4934, 0.2492

Previews

White Background



This preview shows how the Yxy color 90.3823, 0.2948, 0.3523 looks on a white background.

Color Contrast Check

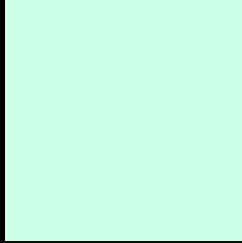
Large Text (above 18pt) WCAG AA × Fail

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 90.3823, 0.2948, 0.3523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

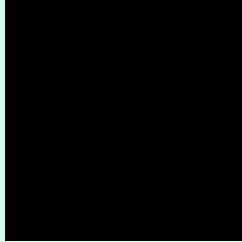
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

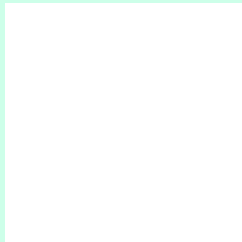
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.3823, 0.2948, 0.3523

Background



This preview shows how black text looks on a background with the Yxy color 90.3823, 0.2948, 0.3523.

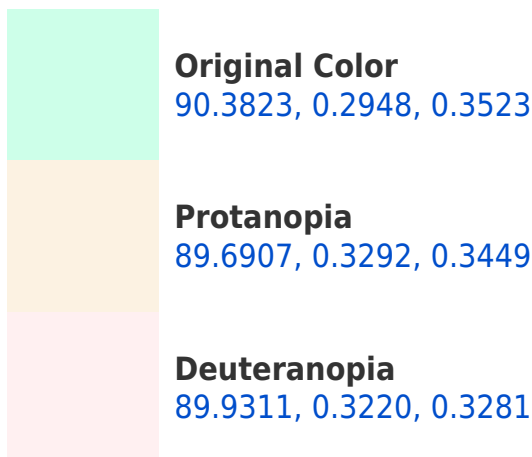


This preview shows how white text looks on a background with the Yxy color 90.3823, 0.2948, 0.3523.

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

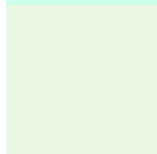
89.9545, 0.2975, 0.3199

Trichromacy



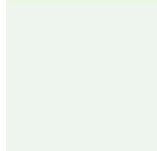
Original Color

90.3823, 0.2948, 0.3523



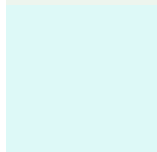
Protanomaly

89.8408, 0.3157, 0.3473



Deuteranomaly

89.4824, 0.3117, 0.3360



Tritanomaly

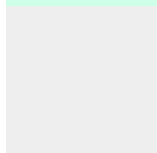
89.8389, 0.2965, 0.3310

Monochromacy



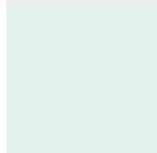
Original Color

90.3823, 0.2948, 0.3523



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

86.9262, 0.3059, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3823, 0.2948, 0.3523 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(205, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 233)  
}
```

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(205, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 90.3823, 0.2948, 0.3523 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(205, 255, 233) }
```

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

```
.border{ border-color:rgb(205, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3823, 0.2948, 0.3523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 233) }
```

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

```
.background{ background-color: rgb(205,  
255, 233) }
```

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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