

Converting Colors

$Y_{xy}(100.0000, 0.2911, 0.3581)$

Have a look what the booklet for
Yxy(100.0000, 0.2911, 0.3581)
contains.

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Color

Yxy(90.8500, 0.2906, 0.3436)

Conversions

Conversions Part 1

Format	Color
Hex	CDFFF1
RGB	205, 255, 241
RGB Percent	80%, 100%, 95%
CMY	0.1957, 0.0001, 0.0548
CMYK	0.20, 0.00, 0.05, 0.00
HSL	163°, 100%, 90%
HSV	163°, 20%, 100%
XYZ	76.8365, 90.8500, 96.7198
YIQ	238.4540, -25.3060, -14.9540

Conversions

Conversions Part 2

Format	Color
R _Y B	205, 234, 255
Decimal	13500401
CIE Lab	96.35, -18.48, 1.45
CIE LCh	96, 18.538, 175.523
Yxy	90.8500, 0.2906, 0.3436
Android (android.graphics.Color)	4291690481 (0xFFCDFFF1)
YUV	238.4540, 1.2552, -29.3392
Hunter-Lab	95.3153, -22.9076, 6.5570

Details

The Yxy color **90.8500, 0.2906, 0.3436** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.0852, 0.3410, 0.3149**, and the grayscale version is **85.8919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.3750, 0.2857, 0.3466** is the 20% darker color. If you saturate the color by 10%, you get **87.0977, 0.2803, 0.3522**, and if you desaturate by 10%, it is **95.2175, 0.3017, 0.3358**.

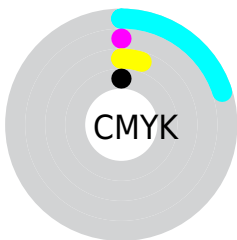
Distribution



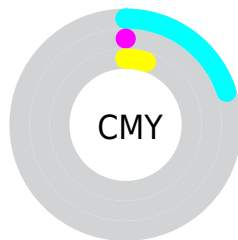
- Red (80%)
- Green (100%)
- Blue (95%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.8500, 0.2906, 0.3436 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 90.8500, 0.2906, 0.3436 by changing the saturation by 10% instead.


 90.8500, 0.2906,
0.3436

 90.8500, 0.2906,
0.3436

530.7920, 0.3004,
0.3371

 68.6858, 0.2884,
0.3450


148.5185, 0.2939,
0.3414

 50.4559, 0.2858,
0.3468


184.7917, 0.2953,
0.3405

 35.7758, 0.2825,
0.3490


226.5366, 0.2964,
0.3397

 24.2611, 0.2784,
0.3518

274.1377, 0.2974,
0.3391

 15.5274, 0.2729,
0.3555

327.9795, 0.2983,
0.3385

 9.1904, 0.2653,
0.3606

388.4461, 0.2991,

 4.8656, 0.2541,

0.3380

455.9222, 0.2998,
0.3375

0.3683

2.1686, 0.2362,
0.3807

0.7028, 0.1369,
0.4438

90.8500, 0.2906,
0.3436

90.8500, 0.2906,
0.3436

87.0977, 0.2803,
0.3522


95.2175, 0.3017,
0.3358

83.9206, 0.2710,
0.3614

99.9882, 0.3127,
0.3290


81.2912, 0.2631,
0.3712


79.1756, 0.2568,
0.3815

 77.5355, 0.2524,
0.3921

 76.3277, 0.2501,
0.4028

 75.5004, 0.2498,
0.4135

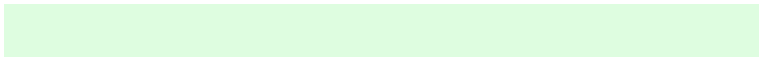
 74.9730, 0.2512,
0.4240

 74.9527, 0.2512,
0.4245

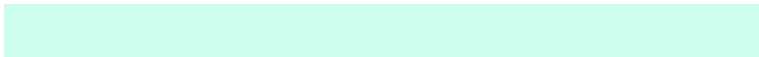
Harmonies

Analogous

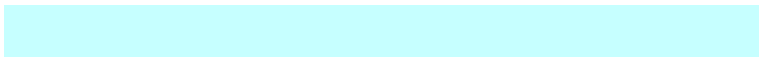
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8500, 0.3100, 0.3591



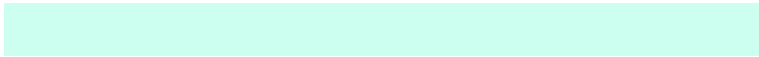
90.8500, 0.2906, 0.3436



90.8500, 0.2773, 0.3242

Triad

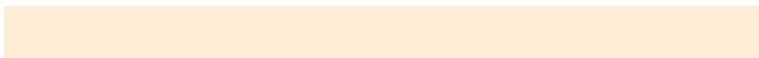
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.8500, 0.2906, 0.3436



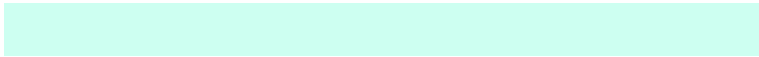
90.8500, 0.2941, 0.2946



90.8500, 0.3538, 0.3491

Complementary

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



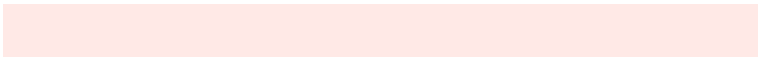
90.8500, 0.2906, 0.3436



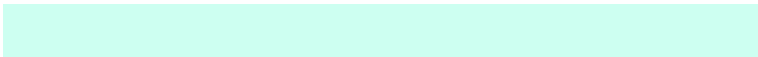
70.0852, 0.3410, 0.3149

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.



90.8500, 0.3494, 0.3320



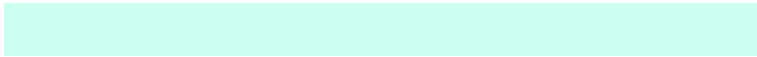
90.8500, 0.2906, 0.3436



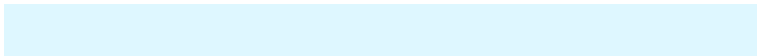
90.8500, 0.3144, 0.3013

Square

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



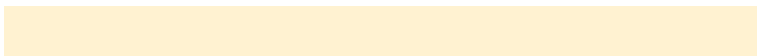
90.8500, 0.2906, 0.3436



90.8500, 0.2793, 0.2965



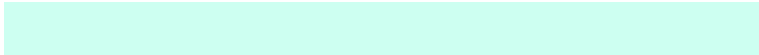
90.8500, 0.3348, 0.3148



90.8500, 0.3468, 0.3617

Rectangle

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



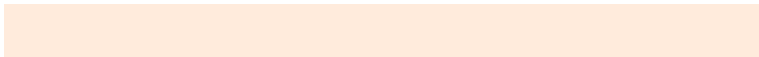
90.8500, 0.2906, 0.3436



90.8500, 0.2735, 0.3122



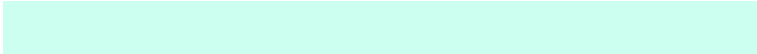
90.8500, 0.3348, 0.3148



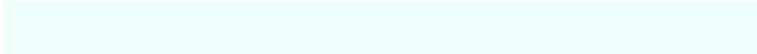
90.8500, 0.3537, 0.3437

Sweetspot

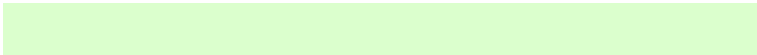
The Sweet Spot groups the original color and five complimentary colors.



90.8538, 0.2906, 0.3436



96.9400, 0.3058, 0.3332



91.0172, 0.3190, 0.3817



20.6809, 0.3050, 0.3336



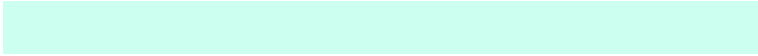
0.0000, 0.0000, 0.0000



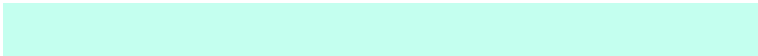
21.4041, 0.3127, 0.3290

Same Dimension

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



90.8538, 0.2906, 0.3436



89.5102, 0.2869, 0.3465



85.0184, 0.2826, 0.3176



20.3896, 0.3017, 0.3357



39.1977, 0.2508, 0.4227



3.8352, 0.2474, 0.4106

Inverse Universe

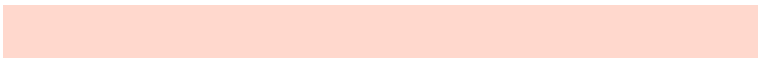
The Inverse Universe completely reimagines the original color for something new.



70.0852, 0.3410, 0.3149



65.6901, 0.3472, 0.3123



74.7340, 0.3495, 0.3401



18.0706, 0.3250, 0.3224



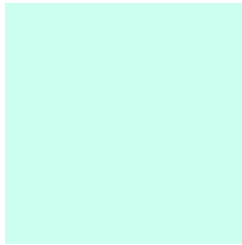
11.3707, 0.5838, 0.2990



1.1248, 0.5519, 0.2814

Previews

White Background



This preview shows how the Yxy color 90.8500, 0.2906, 0.3436 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 90.8500, 0.2906, 0.3436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

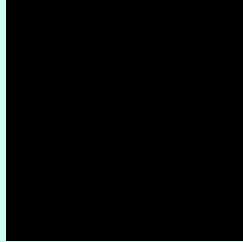
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

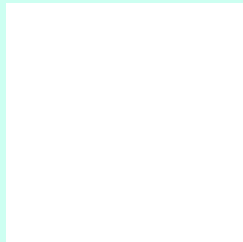
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.8500, 0.2906, 0.3436

Background



This preview shows how black text looks on a background with the Yxy color 90.8500, 0.2906, 0.3436.

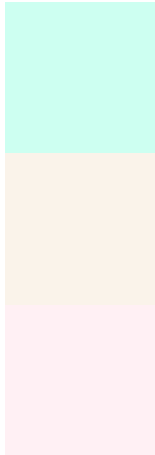


This preview shows how white text looks on a background with the Yxy color 90.8500, 0.2906, 0.3436.

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

90.8500, 0.2906, 0.3436

Protanopia

90.3657, 0.3228, 0.3379

Deuteranopia

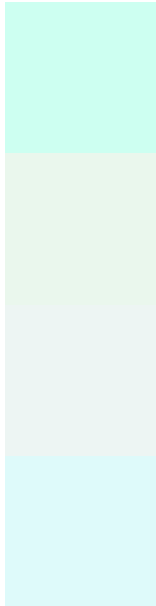
90.1118, 0.3202, 0.3251



Tritanopia

90.7305, 0.2981, 0.3210

Trichromacy



Original Color

90.8500, 0.2906, 0.3436

Protanomaly

90.1284, 0.3103, 0.3391

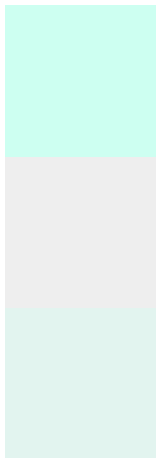
Deuteranomaly

89.7804, 0.3088, 0.3310

Tritanomaly

90.8029, 0.2955, 0.3290

Monochromacy



Original Color

90.8500, 0.2906, 0.3436

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

87.1021, 0.3042, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.8500, 0.2906, 0.3436 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 241) }
```

Border

The CSS property to change the border of an element to Yxy 90.8500, 0.2906, 0.3436 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, 241) }
```

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

```
.border{ border-color:rgb(205, 255, 241) }
```

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, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 90.8500, 0.2906, 0.3436 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, 241) }
```

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

```
.background{ background-color: rgb(205,  
255, 241) }
```

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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