

Converting Colors

$Y_{xy}(91.2850, 0.2990, 0.3528)$

Have a look what the booklet for
Yxy(91.2850, 0.2990, 0.3528)
contains.

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Color

Yxy(91.1951, 0.2989, 0.3531)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | D3FFE8 |
| RGB | 211, 255, 232 |
| RGB Percent | 83%, 100%, 91% |
| CMY | 0.1724, 0.0000, 0.0902 |
| CMYK | 0.17, 0.00, 0.09, 0.00 |
| HSL | 149°, 100%, 91% |
| HSV | 149°, 17%, 100% |
| XYZ | 77.1969, 91.1951, 89.8779 |
| YIQ | 239.2220, -18.8410, -16.4810 |

Conversions

Conversions Part 2

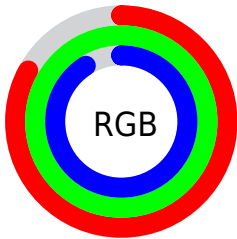
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 211, 241, 255 |
| Decimal | 13893608 |
| CIE _{Lab} | 96.49, -18.37, 6.34 |
| CIE _{LCh} | 96, 19.429, 160.965 |
| Y _{xy} | 91.1951, 0.2989, 0.3531 |
| Android (android.graphics.Color) | 4292083688 (0xFFD3FFE8) |
| YUV | 239.2220, -3.5604, -24.7507 |
| Hunter-Lab | 95.4961, -22.8229, 11.0454 |

Details

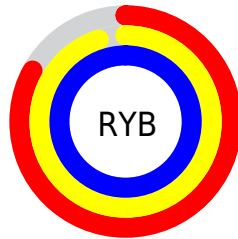
The Yxy color **91.1951, 0.2989, 0.3531** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.8085, 0.3293, 0.3061**, and the grayscale version is **86.5449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.5907, 0.2961, 0.3589** is the 20% darker color. If you saturate the color by 10%, you get **86.9963, 0.2913, 0.3693**, and if you desaturate by 10%, it is **96.0565, 0.3069, 0.3385**.

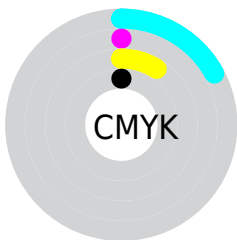
Distribution



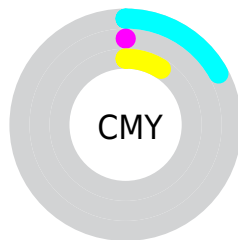
- Red (83%)
- Green (100%)
- Blue (91%)



- Red (83%)
- Yellow (95%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.1951, 0.2989, 0.3531 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 91.1951, 0.2989, 0.3531 by changing the saturation by 10% instead.


 91.1951, 0.2989,
0.3531

 91.1951, 0.2989,
0.3531


531.9108, 0.3051,
0.3422

 68.9723, 0.2975,
0.3555


148.9973, 0.3010,
0.3494

 50.6891, 0.2958,
0.3585


185.3455, 0.3019,
0.3479

 35.9613, 0.2937,
0.3623


227.1710, 0.3026,
0.3466

 24.4043, 0.2909,
0.3671

274.8581, 0.3032,
0.3455

 15.6338, 0.2873,
0.3736

328.7912, 0.3038,
0.3445

 9.2654, 0.2822,
0.3827

389.3548, 0.3043,

 4.9147, 0.2745,

0.3437

0.3965

456.9332, 0.3047,
0.3429

■ 2.1973, 0.2616,
0.4196

■ 0.7185, 0.1815,
0.5559

■ 91.1951, 0.2989,
0.3531

■ 91.1951, 0.2989,
0.3531

■ 86.9963, 0.2913,
0.3693

■ 96.0565, 0.3069,
0.3385

■ 83.4192, 0.2845,
0.3870

99.9983, 0.3127,
0.3290

■ 80.4361, 0.2786,
0.4060

■ 78.0124, 0.2741,
0.4262

■ 76.1098, 0.2712,
0.4469

■ 74.6851, 0.2703,
0.4677

■ 73.6875, 0.2715,
0.4879

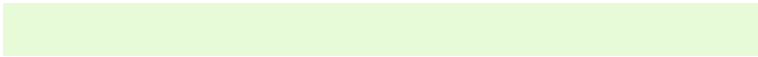
■ 73.0520, 0.2745,
0.5068

■ 72.9139, 0.2755,
0.5118

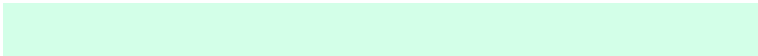
Harmonies

Analogous

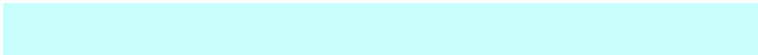
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.1951, 0.3206, 0.3653



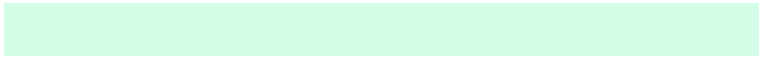
91.1951, 0.2989, 0.3531



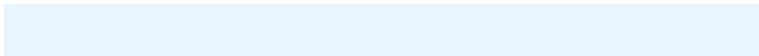
91.1951, 0.2814, 0.3339

Triad

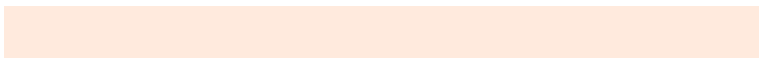
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.1951, 0.2989, 0.3531



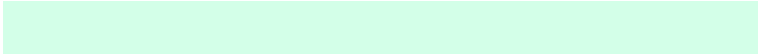
91.1951, 0.2847, 0.2928



91.1951, 0.3550, 0.3416

Complementary

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



91.1951, 0.2989, 0.3531



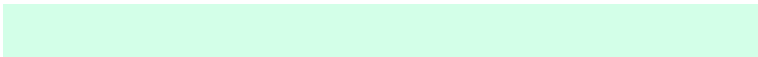
73.8085, 0.3293, 0.3061

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.



91.1951, 0.3448, 0.3231



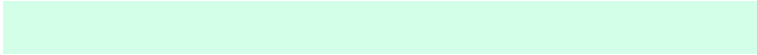
91.1951, 0.2989, 0.3531



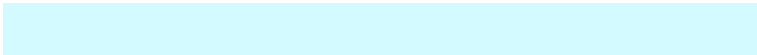
91.1951, 0.3037, 0.2956

Square

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



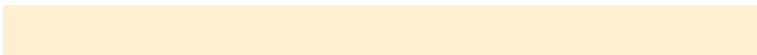
91.1951, 0.2989, 0.3531



91.1951, 0.2734, 0.2992



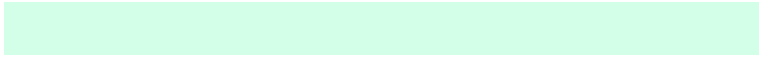
91.1951, 0.3258, 0.3066



91.1951, 0.3534, 0.3576

Rectangle

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



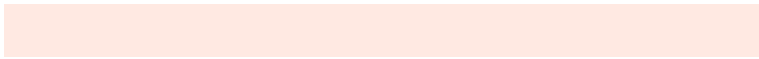
91.1951, 0.2989, 0.3531



91.1951, 0.2741, 0.3203



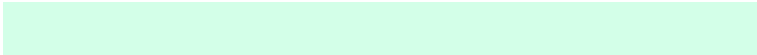
91.1951, 0.3258, 0.3066



91.1951, 0.3529, 0.3355

Sweetspot

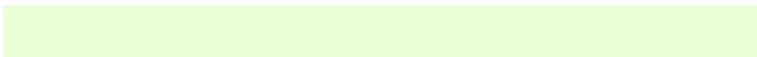
The Sweet Spot groups the original color and five complimentary colors.



91.1989, 0.2989, 0.3531



97.2394, 0.3087, 0.3355



93.7975, 0.3253, 0.3739



20.7332, 0.3081, 0.3365



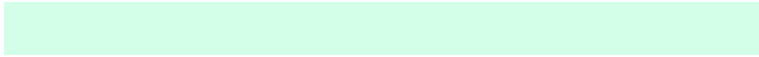
0.0000, 0.0000, 0.0000



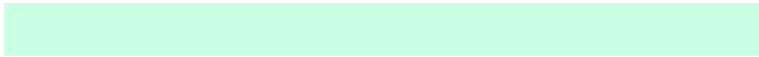
21.4041, 0.3127, 0.3290

Same Dimension

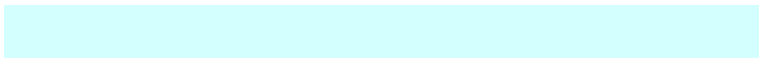
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.1989, 0.2989, 0.3531



89.5454, 0.2960, 0.3590



92.4984, 0.2874, 0.3304



20.3125, 0.3050, 0.3417



38.1297, 0.2747, 0.5089



3.7345, 0.2687, 0.4875

Inverse Universe

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



73.8085, 0.3293, 0.3061



68.9263, 0.3336, 0.3008



72.6450, 0.3449, 0.3276



18.1458, 0.3212, 0.3166



12.0297, 0.4866, 0.2454



1.1934, 0.4625, 0.2322

Previews

White Background



This preview shows how the Yxy color 91.1951, 0.2989, 0.3531 looks on a white background.

Color Contrast Check

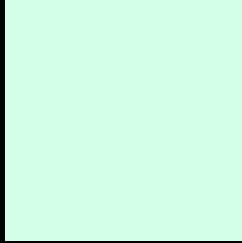
Large Text (above 18pt) WCAG AA × Fail

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 91.1951, 0.2989, 0.3531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

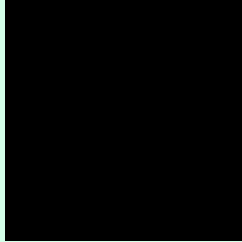
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

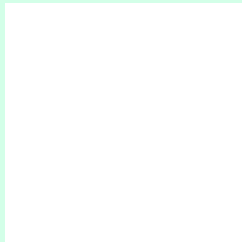
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.1951, 0.2989, 0.3531

Background



This preview shows how black text looks on a background with the Yxy color 91.1951, 0.2989, 0.3531.

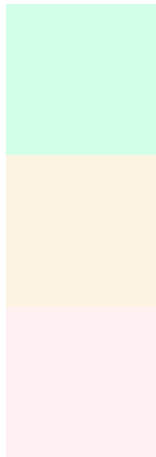


This preview shows how white text looks on a background with the Yxy color 91.1951, 0.2989, 0.3531.

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

91.1951, 0.2989, 0.3531

Protanopia

90.4748, 0.3298, 0.3458

Deuteranopia

90.5215, 0.3219, 0.3290



Tritanopia

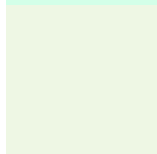
91.2340, 0.2999, 0.3210

Trichromacy



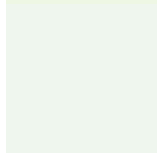
Original Color

91.1951, 0.2989, 0.3531



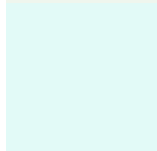
Protanomaly

90.3001, 0.3183, 0.3482



Deuteranomaly

90.4353, 0.3130, 0.3370



Tritanomaly

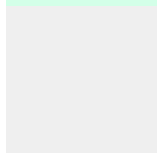
91.2554, 0.2996, 0.3320

Monochromacy



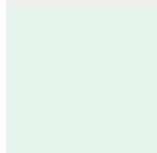
Original Color

91.1951, 0.2989, 0.3531



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

88.0190, 0.3078, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.1951, 0.2989, 0.3531 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(211, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(211, 255, 232)  
}
```

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(211, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 232) }
```

Border

The CSS property to change the border of an element to Yxy 91.1951, 0.2989, 0.3531 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(211, 255, 232) }
```

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

```
.border{ border-color:rgb(211, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 91.1951, 0.2989, 0.3531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 255, 232) }
```

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

```
.background{ background-color: rgb(211,  
255, 232) }
```

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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