

Converting Colors

$Y_{xy}(100.0000, 0.2988, 0.3620)$

Have a look what the booklet for
Yxy(100.0000, 0.2988, 0.3620)
contains.

Yxy(91.8143, 0.2990, 0.3498)	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(91.8143, 0.2990, 0.3498)

Conversions

Conversions Part 1

Format	Color
Hex	D6FFEB
RGB	214, 255, 235
RGB Percent	84%, 100%, 92%
CMY	0.1609, 0.0000, 0.0784
CMYK	0.16, 0.00, 0.08, 0.00
HSL	151°, 100%, 92%
HSV	151°, 16%, 100%
XYZ	78.4805, 91.8143, 92.1818
YIQ	240.4610, -18.0160, -14.9120

Conversions

Conversions Part 2

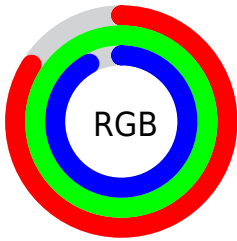
Format	Color
R_{YB}	214, 241, 255
Decimal	14090219
CIE Lab	96.74, -16.89, 5.19
CIE LCh	97, 17.668, 162.934
Yxy	91.8143, 0.2990, 0.3498
Android (android.graphics.Color)	4292280299 (0xFFD6FFEB)
YUV	240.4610, -2.6923, -23.2063
Hunter-Lab	95.8198, -21.4855, 10.0349

Details

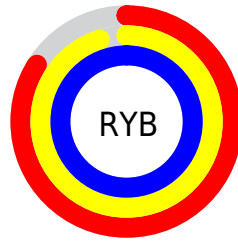
The Yxy color **91.8143, 0.2990, 0.3498** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.2783, 0.3290, 0.3091**, and the grayscale version is **87.5422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.0138, 0.2963, 0.3545** is the 20% darker color. If you saturate the color by 10%, you get **87.5761, 0.2909, 0.3646**, and if you desaturate by 10%, it is **96.6952, 0.3075, 0.3364**.

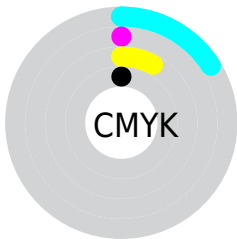
Distribution



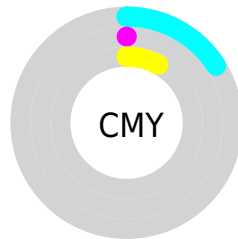
- Red (84%)
- Green (100%)
- Blue (92%)



- Red (84%)
- Yellow (95%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.8143, 0.2990, 0.3498 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 91.8143, 0.2990, 0.3498 by changing the saturation by 10% instead.


 91.8143, 0.2990,
0.3498

 91.8143, 0.2990,
0.3498

533.9152, 0.3052,
0.3404

 69.4864, 0.2976,
0.3519

149.8560, 0.3011,
0.3466

 51.1079, 0.2960,
0.3544


186.3386, 0.3019,
0.3453

 36.2945, 0.2939,
0.3576

228.3082, 0.3026,
0.3442

 24.6617, 0.2912,
0.3618

276.1492, 0.3033,
0.3433

 15.8252, 0.2877,
0.3673

330.2460, 0.3038,
0.3424

 9.4006, 0.2827,
0.3750

390.9830, 0.3043,

 5.0034, 0.2753,

0.3417

0.3865

458.7446, 0.3048,
0.3410

■ 2.2492, 0.2632,
0.4058

■ 0.7466, 0.1990,
0.4996

■ 91.8143, 0.2990,
0.3498

■ 91.8143, 0.2990,
0.3498

■ 87.5761, 0.2909,
0.3646

■ 96.6952, 0.3075,
0.3364


■ 83.9638, 0.2836,
0.3809

100.0000, 0.3127,
0.3290

■ 80.9422, 0.2772,
0.3984


■ 78.4775, 0.2722,
0.4170

 76.5322, 0.2689,
0.4362

 75.0639, 0.2675,
0.4556

 74.0234, 0.2682,
0.4747

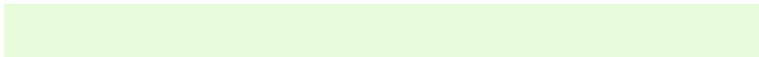
 73.3493, 0.2708,
0.4929

 73.1504, 0.2722,
0.4998

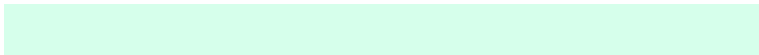
Harmonies

Analogous

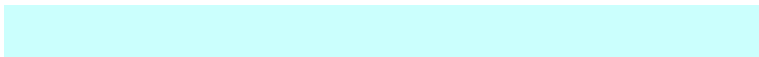
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8143, 0.3186, 0.3614



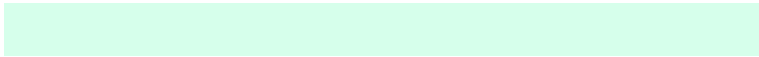
91.8143, 0.2990, 0.3498



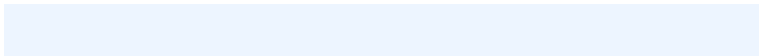
91.8143, 0.2834, 0.3323

Triad

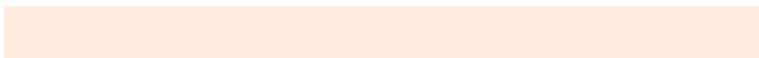
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.8143, 0.2990, 0.3498



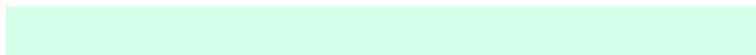
91.8143, 0.2883, 0.2960



91.8143, 0.3513, 0.3416

Complementary

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



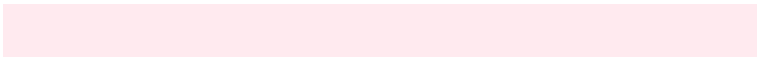
91.8143, 0.2990, 0.3498



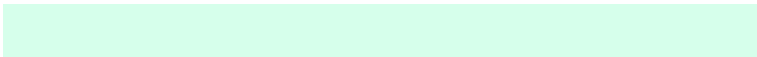
75.2783, 0.3290, 0.3091

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.



91.8143, 0.3427, 0.3248



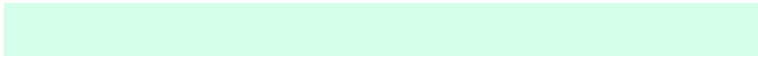
91.8143, 0.2990, 0.3498



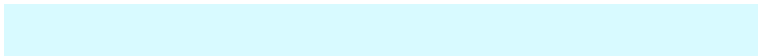
91.8143, 0.3059, 0.2991

Square

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



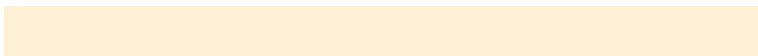
91.8143, 0.2990, 0.3498



91.8143, 0.2774, 0.3014



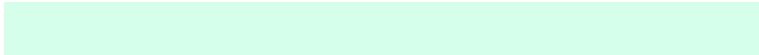
91.8143, 0.3259, 0.3095



91.8143, 0.3492, 0.3558

Rectangle

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



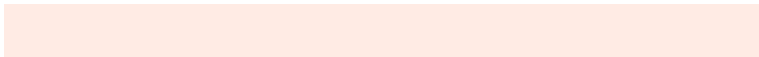
91.8143, 0.2990, 0.3498



91.8143, 0.2772, 0.3201



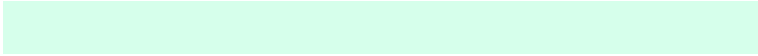
91.8143, 0.3259, 0.3095



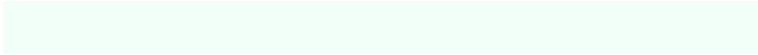
91.8143, 0.3496, 0.3361

Sweetspot

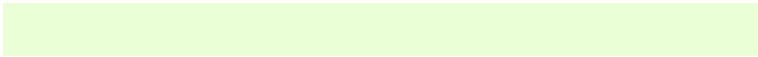
The Sweet Spot groups the original color and five complimentary colors.



91.8102, 0.2990, 0.3498



97.2676, 0.3084, 0.3351



93.9485, 0.3236, 0.3708



20.7400, 0.3078, 0.3359



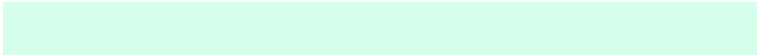
0.0000, 0.0000, 0.0000



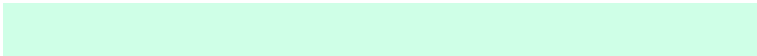
21.4041, 0.3127, 0.3290

Same Dimension

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



91.8102, 0.2990, 0.3498



90.5118, 0.2966, 0.3540



93.0321, 0.2883, 0.3289



20.3236, 0.3045, 0.3408



38.2530, 0.2714, 0.4969



3.7466, 0.2657, 0.4764

Inverse Universe

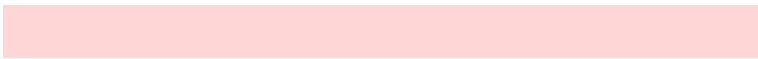
The Inverse Universe completely reimagines the original color for something new.



75.2783, 0.3290, 0.3091



71.3905, 0.3325, 0.3053



74.1930, 0.3434, 0.3291



18.1347, 0.3217, 0.3175



11.9032, 0.5018, 0.2538



1.1810, 0.4756, 0.2394

Previews

White Background



This preview shows how the Yxy color 91.8143, 0.2990, 0.3498 looks on a white background.

Color Contrast Check

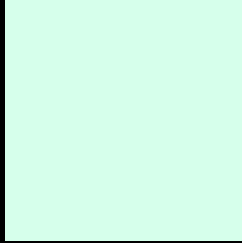
Large Text (above 18pt) WCAG AA × Fail

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 91.8143, 0.2990, 0.3498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

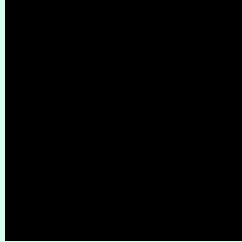
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

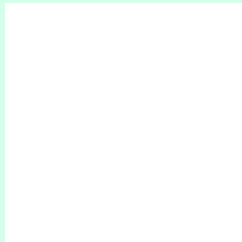
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.8143, 0.2990, 0.3498

Background



This preview shows how black text looks on a background with the Yxy color 91.8143, 0.2990, 0.3498.

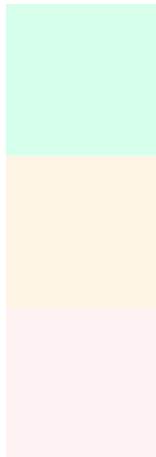


This preview shows how white text looks on a background with the Yxy color 91.8143, 0.2990, 0.3498.

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

91.8143, 0.2990, 0.3498

Protanopia

91.2412, 0.3278, 0.3438

Deuteranopia

91.2353, 0.3206, 0.3281



Tritanopia

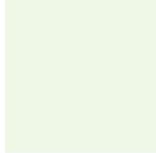
91.5744, 0.3012, 0.3211

Trichromacy



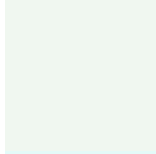
Original Color

91.8143, 0.2990, 0.3498



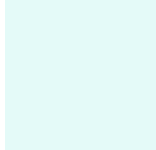
Protanomaly

91.2550, 0.3170, 0.3461



Deuteranomaly

91.3381, 0.3124, 0.3360



Tritanomaly

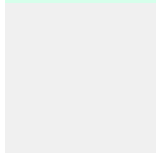
91.6425, 0.3002, 0.3310

Monochromacy



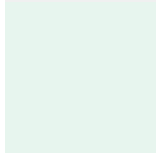
Original Color

91.8143, 0.2990, 0.3498



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.4668, 0.3079, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.8143, 0.2990, 0.3498 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(214, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 235)  
}
```

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(214, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 235) }
```

Border

The CSS property to change the border of an element to Yxy 91.8143, 0.2990, 0.3498 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(214, 255, 235) }
```

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

```
.border{ border-color:rgb(214, 255, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 91.8143, 0.2990, 0.3498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 235) }
```

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

```
.background{ background-color: rgb(214,  
255, 235) }
```

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