

Converting Colors

$Yxy(93.8737, 0.3066, 0.3489)$

Have a look what the booklet for
Yxy(93.8737, 0.3066, 0.3489)
contains.

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Color

Yxy(93.8491, 0.3068, 0.3493)

Conversions

Conversions Part 1

Format	Color
Hex	E3FFEB
RGB	227, 255, 235
RGB Percent	89%, 100%, 92%
CMY	0.1099, 0.0000, 0.0783
CMYK	0.11, 0.00, 0.08, 0.00
HSL	137°, 100%, 95%
HSV	137°, 11%, 100%
XYZ	82.4303, 93.8491, 92.3982
YIQ	244.3480, -10.2680, -12.1560

Conversions

Conversions Part 2

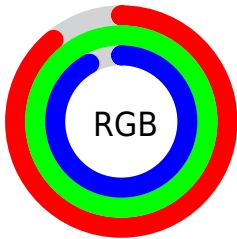
Format	Color
R_{YB}	227, 249, 255
Decimal	14942187
CIE _{Lab}	97.57, -12.71, 6.46
CIE _{LCh}	98, 14.261, 153.053
Yxy	93.8491, 0.3068, 0.3493
Android (android.graphics.Color)	4293132267 (0xFFE3FFEB)
YUV	244.3480, -4.6086, -15.2142
Hunter-Lab	96.8757, -17.6492, 11.2633

Details

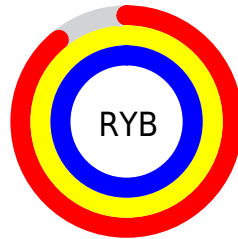
The Yxy color **93.8491, 0.3068, 0.3493** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.8902, 0.3192, 0.3095**, and the grayscale version is **90.7984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.3008, 0.3053, 0.3539** is the 20% darker color. If you saturate the color by 10%, you get **89.0062, 0.3015, 0.3702**, and if you desaturate by 10%, it is **99.4069, 0.3122, 0.3307**.

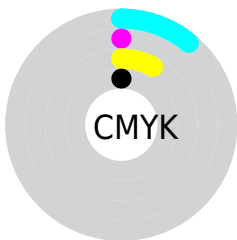
Distribution



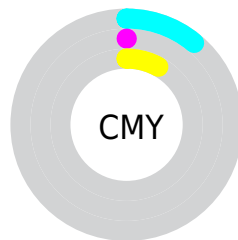
- Red (89%)
- Green (100%)
- Blue (92%)



- Red (89%)
- Yellow (98%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.8491, 0.3068, 0.3493 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 93.8491, 0.3068, 0.3493 by changing the saturation by 10% instead.


 93.8491, 0.3068,
0.3493

 93.8491, 0.3068,
0.3493

540.4739, 0.3095,
0.3402

 71.1775, 0.3062,
0.3513


152.6736, 0.3077,
0.3462

 52.4870, 0.3055,
0.3538


189.5953, 0.3081,
0.3450

 37.3934, 0.3045,
0.3569


232.0358, 0.3084,
0.3439

 25.5122, 0.3033,
0.3608

280.3794, 0.3087,
0.3430

 16.4591, 0.3017,
0.3661

335.0107, 0.3089,
0.3422

 9.8496, 0.2995,
0.3734

396.3139, 0.3091,

 5.2994, 0.2961,

0.3414

0.3844

464.6735, 0.3093,
0.3408

■ 2.4240, 0.2903,
0.4025

■ 0.8382, 0.2724,
0.4695

■ 93.8491, 0.3068,
0.3493

■ 93.8491, 0.3068,
0.3493

■ 89.0062, 0.3015,
0.3702

■ 99.4069, 0.3122,
0.3307

■ 84.8574, 0.2964,
0.3935

100.0000, 0.3127,
0.3290

■ 81.3674, 0.2919,
0.4188

■ 78.5013, 0.2883,
0.4457

■ 76.2210, 0.2858,
0.4734

■ 74.4840, 0.2847,
0.5007

■ 73.2418, 0.2853,
0.5263

■ 72.4368, 0.2875,
0.5488

■ 72.0072, 0.2904,
0.5656

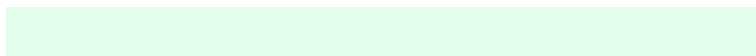
Harmonies

Analogous

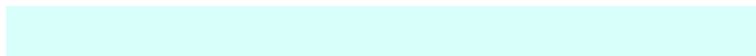
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8491, 0.3227, 0.3562



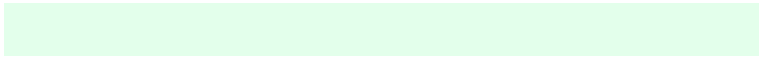
93.8491, 0.3068, 0.3493



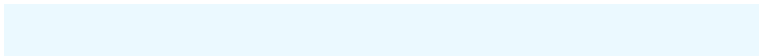
93.8491, 0.2928, 0.3365

Triad

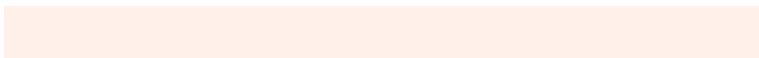
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.8491, 0.3068, 0.3493



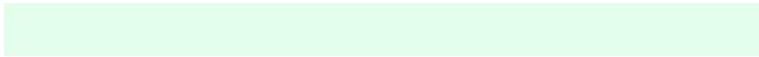
93.8491, 0.2895, 0.3031



93.8491, 0.3422, 0.3349

Complementary

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



93.8491, 0.3068, 0.3493



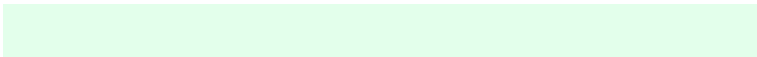
82.8902, 0.3192, 0.3095

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.



93.8491, 0.3329, 0.3213



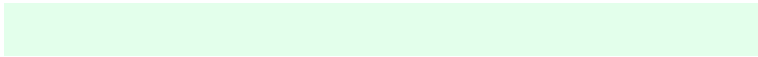
93.8491, 0.3068, 0.3493



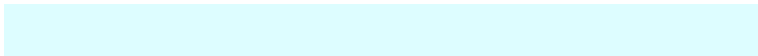
93.8491, 0.3022, 0.3033

Square

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



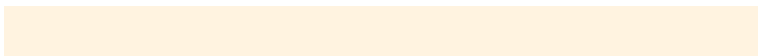
93.8491, 0.3068, 0.3493



93.8491, 0.2829, 0.3098



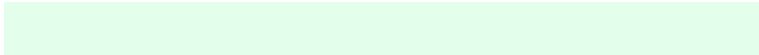
93.8491, 0.3181, 0.3099



93.8491, 0.3434, 0.3474

Rectangle

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



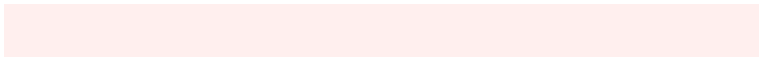
93.8491, 0.3068, 0.3493



93.8491, 0.2862, 0.3267



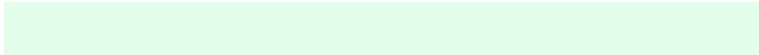
93.8491, 0.3181, 0.3099



93.8491, 0.3399, 0.3303

Sweetspot

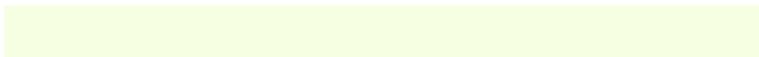
The Sweet Spot groups the original color and five complimentary colors.



93.8460, 0.3068, 0.3493



98.2320, 0.3111, 0.3343



96.8487, 0.3241, 0.3567



20.9270, 0.3107, 0.3357



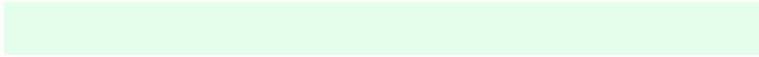
0.0000, 0.0000, 0.0000



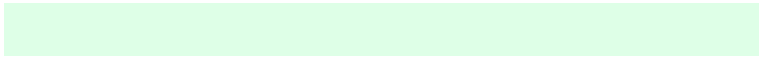
21.4041, 0.3127, 0.3290

Same Dimension

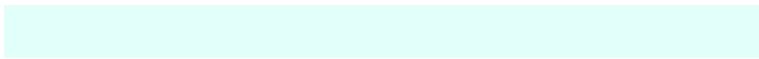
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.8460, 0.3068, 0.3493



92.8181, 0.3057, 0.3533



94.6803, 0.2991, 0.3351



20.2542, 0.3076, 0.3464



37.6475, 0.2897, 0.5628



3.6835, 0.2835, 0.5407

Inverse Universe

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



82.8902, 0.3192, 0.3095



80.0430, 0.3205, 0.3059



82.0650, 0.3283, 0.3230



18.2059, 0.3182, 0.3122



12.8907, 0.4104, 0.2035



1.2741, 0.3977, 0.1965

Previews

White Background



This preview shows how the Yxy color 93.8491, 0.3068, 0.3493 looks on a white background.

Color Contrast Check

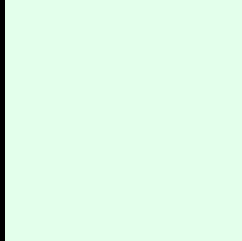
Large Text (above 18pt) WCAG AA × Fail

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 93.8491, 0.3068, 0.3493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

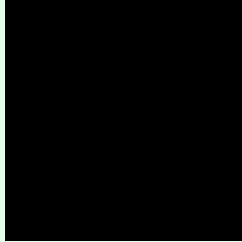
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

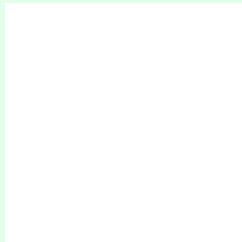
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.8491, 0.3068, 0.3493

Background



This preview shows how black text looks on a background with the Yxy color 93.8491, 0.3068, 0.3493.

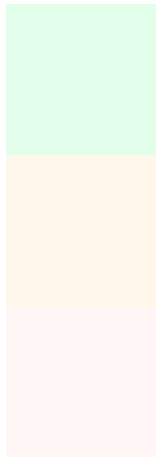


This preview shows how white text looks on a background with the Yxy color 93.8491, 0.3068, 0.3493.

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

93.8491, 0.3068, 0.3493

Protanopia

93.6647, 0.3264, 0.3427

Deuteranopia

93.7641, 0.3191, 0.3300

Tritanopia

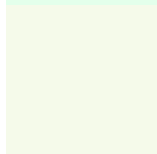
93.4095, 0.3055, 0.3221

Trichromacy



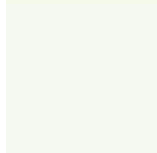
Original Color

93.8491, 0.3068, 0.3493



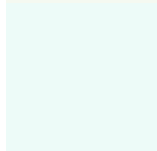
Protanomaly

93.7242, 0.3190, 0.3449



Deuteranomaly

93.5147, 0.3149, 0.3369



Tritanomaly

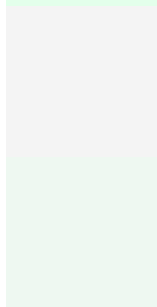
93.7762, 0.3057, 0.3320

Monochromacy



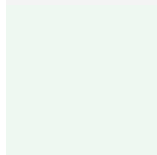
Original Color

93.8491, 0.3068, 0.3493



Achromatopsia

90.4661, 0.3127, 0.3290



Achromatomaly

91.6628, 0.3105, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.8491, 0.3068, 0.3493 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(227, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 235) }
```

Border

The CSS property to change the border of an element to Yxy 93.8491, 0.3068, 0.3493 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(227, 255, 235) }
```

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

```
.border{ border-color:rgb(227, 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(227, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 93.8491, 0.3068, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 235) }
```

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

```
.background{ background-color: rgb(227,  
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](#).

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