

Converting Colors

$Y_{xy}(100.0000, 0.3038, 0.3596)$

Have a look what the booklet for
Yxy(100.0000, 0.3038, 0.3596)
contains.

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Color

Yxy(93.0478, 0.3038, 0.3495)

Conversions

Conversions Part 1

Format	Color
Hex	DEFFEB
RGB	222, 255, 235
RGB Percent	87%, 100%, 92%
CMY	0.1294, 0.0000, 0.0784
CMYK	0.13, 0.00, 0.08, 0.00
HSL	144°, 100%, 94%
HSV	144°, 13%, 100%
XYZ	80.8810, 93.0478, 92.3024
YIQ	242.8530, -13.2480, -13.2160

Conversions

Conversions Part 2

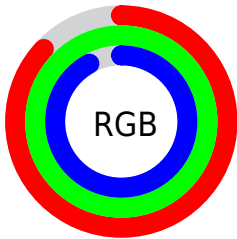
Format	Color
R _Y B	222, 246, 255
Decimal	14614507
CIE Lab	97.25, -14.32, 5.97
CIE LCh	97, 15.516, 157.373
Yxy	93.0478, 0.3038, 0.3495
Android (android.graphics.Color)	4292804587 (0xFFDEFFEB)
YUV	242.8530, -3.8715, -18.2881
Hunter-Lab	96.4613, -19.1383, 10.7892

Details

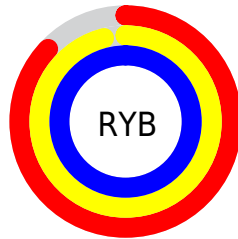
The Yxy color **93.0478, 0.3038, 0.3495** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.9142, 0.3228, 0.3094**, and the grayscale version is **89.5451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.8583, 0.3023, 0.3541** is the 20% darker color. If you saturate the color by 10%, you get **88.4676, 0.2971, 0.3675**, and if you desaturate by 10%, it is **98.3166, 0.3107, 0.3334**.

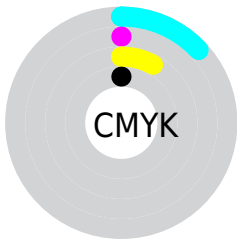
Distribution



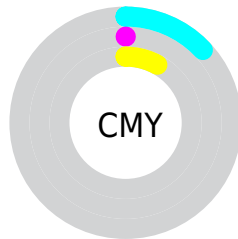
- Red (87%)
- Green (100%)
- Blue (92%)



- Red (87%)
- Yellow (96%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.0478, 0.3038, 0.3495 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 93.0478, 0.3038, 0.3495 by changing the saturation by 10% instead.

 93.0478, 0.3038,
0.3495

 93.0478, 0.3038,
0.3495

537.8962, 0.3078,
0.3403

 70.5112, 0.3029,
0.3515


151.5648, 0.3052,
0.3463

 51.9434, 0.3018,
0.3541


188.3140, 0.3057,
0.3451

 36.9600, 0.3004,
0.3572


230.5695, 0.3062,
0.3440

 25.1765, 0.2987,
0.3612

278.7158, 0.3066,
0.3431

 16.2086, 0.2963,
0.3666

333.1372, 0.3070,
0.3423

 9.6719, 0.2930,
0.3741

394.2182, 0.3073,

 5.1820, 0.2881,

0.3415

0.3853

462.3430, 0.3076,
0.3409

■ 2.3544, 0.2799,
0.4039

■ 0.8023, 0.2471,
0.4800

■ 93.0478, 0.3038,
0.3495

■ 93.0478, 0.3038,
0.3495

■ 88.4676, 0.2971,
0.3675

■ 98.3166, 0.3107,
0.3334

■ 84.5436, 0.2909,
0.3875

100.0000, 0.3127,
0.3290

■ 81.2455, 0.2854,
0.4091

■ 78.5392, 0.2810,
0.4322

■ 76.3874, 0.2781,
0.4560

■ 74.7484, 0.2769,
0.4799

■ 73.5739, 0.2776,
0.5030

■ 72.8061, 0.2801,
0.5242

■ 72.4506, 0.2827,
0.5378

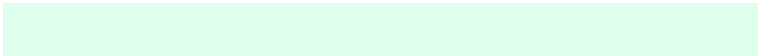
Harmonies

Analogous

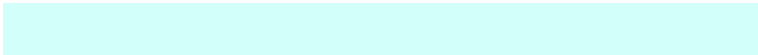
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0478, 0.3211, 0.3582



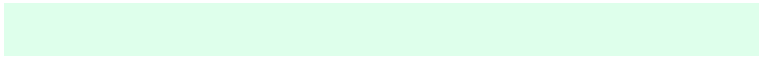
93.0478, 0.3038, 0.3495



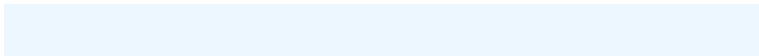
93.0478, 0.2892, 0.3349

Triad

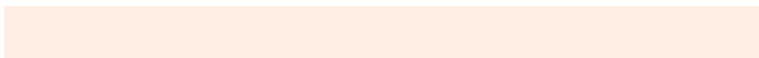
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.0478, 0.3038, 0.3495



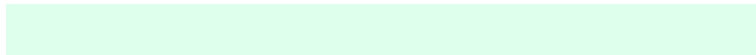
93.0478, 0.2890, 0.3004



93.0478, 0.3457, 0.3375

Complementary

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



93.0478, 0.3038, 0.3495



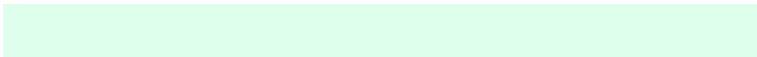
79.9142, 0.3228, 0.3094

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.



93.0478, 0.3366, 0.3227



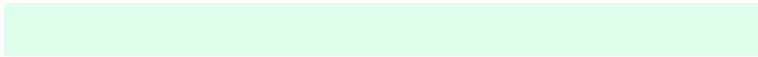
93.0478, 0.3038, 0.3495



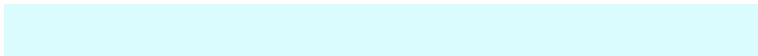
93.0478, 0.3036, 0.3017

Square

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



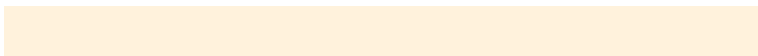
93.0478, 0.3038, 0.3495



93.0478, 0.2808, 0.3065



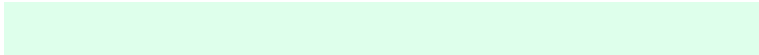
93.0478, 0.3211, 0.3098



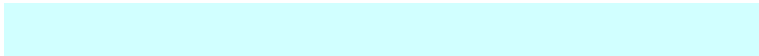
93.0478, 0.3456, 0.3506

Rectangle

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



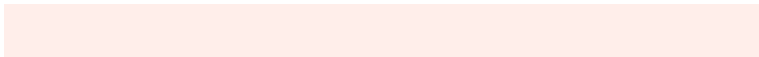
93.0478, 0.3038, 0.3495



93.0478, 0.2827, 0.3242



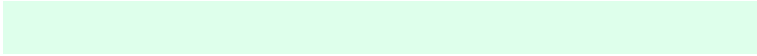
93.0478, 0.3211, 0.3098



93.0478, 0.3436, 0.3326

Sweetspot

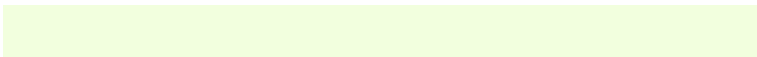
The Sweet Spot groups the original color and five complimentary colors.



93.0489, 0.3038, 0.3495



97.7249, 0.3100, 0.3350



95.7335, 0.3240, 0.3620



20.8283, 0.3094, 0.3362



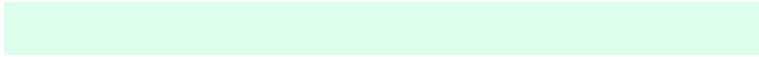
0.0000, 0.0000, 0.0000



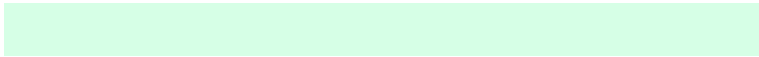
21.4041, 0.3127, 0.3290

Same Dimension

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



93.0489, 0.3038, 0.3495



91.5755, 0.3017, 0.3548



94.0245, 0.2949, 0.3328



20.2868, 0.3062, 0.3437



37.8843, 0.2819, 0.5348



3.7094, 0.2756, 0.5121

Inverse Universe

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



79.9142, 0.3228, 0.3094



75.6813, 0.3255, 0.3045



78.9868, 0.3338, 0.3252



18.1719, 0.3199, 0.3147



12.3662, 0.4521, 0.2264



1.2256, 0.4330, 0.2159

Previews

White Background



This preview shows how the Yxy color 93.0478, 0.3038, 0.3495 looks on a white background.

Color Contrast Check

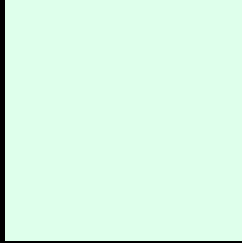
Large Text (above 18pt) WCAG AA × Fail

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 93.0478, 0.3038, 0.3495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

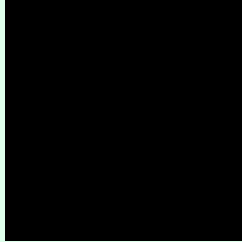
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

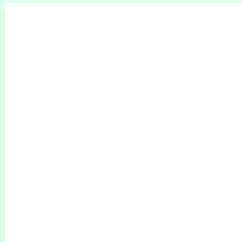
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.0478, 0.3038, 0.3495

Background



This preview shows how black text looks on a background with the Yxy color 93.0478, 0.3038, 0.3495.

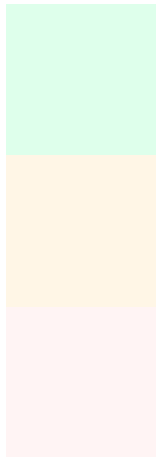


This preview shows how white text looks on a background with the Yxy color 93.0478, 0.3038, 0.3495.

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

93.0478, 0.3038, 0.3495

Protanopia

92.8847, 0.3283, 0.3447

Deuteranopia

92.4930, 0.3199, 0.3290

Tritanopia

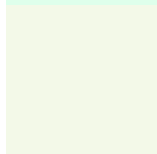
92.8801, 0.3036, 0.3221

Trichromacy



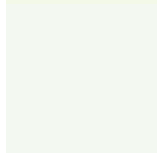
Original Color

93.0478, 0.3038, 0.3495



Protanomaly

92.6322, 0.3190, 0.3460



Deuteranomaly

92.5404, 0.3137, 0.3359



Tritanomaly

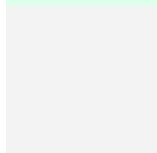
93.0953, 0.3033, 0.3320

Monochromacy



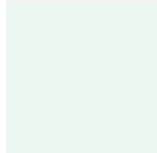
Original Color

93.0478, 0.3038, 0.3495



Achromatopsia

89.6269, 0.3127, 0.3290



Achromatomaly

90.4750, 0.3092, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.0478, 0.3038, 0.3495 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(222, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 235) }
```

Border

The CSS property to change the border of an element to Yxy 93.0478, 0.3038, 0.3495 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(222, 255, 235) }
```

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

```
.border{ border-color:rgb(222, 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(222, 255, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 93.0478, 0.3038, 0.3495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 235) }
```

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

```
.background{ background-color: rgb(222,  
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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