

Converting Colors

$Yxy(95.7123, 0.3039, 0.3508)$

Have a look what the booklet for
Yxy(95.7123, 0.3039, 0.3508)
contains.

Yxy(93.4817, 0.3039, 0.3474)	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(93.4817, 0.3039, 0.3474)

Conversions

Conversions Part 1

Format	Color
Hex	E0FFED
RGB	224, 255, 237
RGB Percent	88%, 100%, 93%
CMY	0.1217, 0.0000, 0.0707
CMYK	0.12, 0.00, 0.07, 0.00
HSL	145°, 100%, 94%
HSV	145°, 12%, 100%
XYZ	81.7763, 93.4817, 93.8315
YIQ	243.6790, -12.6980, -12.1700

Conversions

Conversions Part 2

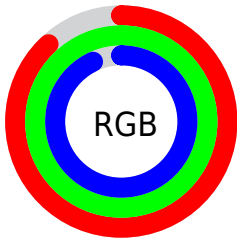
Format	Color
RYB	224, 246, 255
Decimal	14745581
CIELab	97.42, -13.34, 5.23
CIELCh	97, 14.327, 158.578
Yxy	93.4817, 0.3039, 0.3474
Android (android.graphics.Color)	4292935661 (0xFFE0FFED)
YUV	243.6790, -3.2927, -17.2585
Hunter-Lab	96.6859, -18.2263, 10.1405

Details

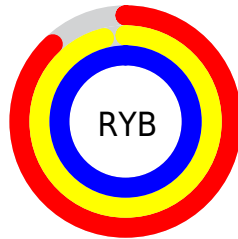
The Yxy color **93.4817, 0.3039, 0.3474** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.9674, 0.3226, 0.3113**, and the grayscale version is **90.2212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.1594, 0.3024, 0.3513** is the 20% darker color. If you saturate the color by 10%, you get **88.8724, 0.2969, 0.3645**, and if you desaturate by 10%, it is **98.7616, 0.3111, 0.3321**.

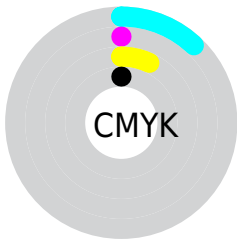
Distribution



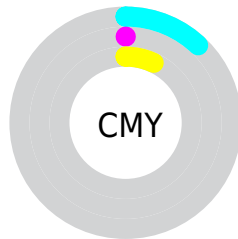
- Red (88%)
- Green (100%)
- Blue (93%)



- Red (88%)
- Yellow (96%)
- Blue (100%)



- Cyan (12%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.4817, 0.3039, 0.3474 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 93.4817, 0.3039, 0.3474 by changing the saturation by 10% instead.

 93.4817, 0.3039,
0.3474

 93.4817, 0.3039,
0.3474


539.2928, 0.3079,
0.3391

 70.8719, 0.3030,
0.3492


152.1653, 0.3053,
0.3446

 52.2377, 0.3020,
0.3515


189.0080, 0.3058,
0.3435

 37.1946, 0.3006,
0.3543


231.3638, 0.3062,
0.3425

 25.3582, 0.2989,
0.3578

279.6170, 0.3066,
0.3417

 16.3441, 0.2966,
0.3626

334.1522, 0.3070,
0.3409

 9.7680, 0.2934,
0.3692

395.3536, 0.3073,

 5.2454, 0.2887,

0.3403

0.3791

463.6057, 0.3076,
0.3397

■ 2.3920, 0.2809,
0.3955

■ 0.8217, 0.2522,
0.4550

■ 93.4817, 0.3039,
0.3474

■ 93.4817, 0.3039,
0.3474

■ 88.8724, 0.2969,
0.3645

■ 98.7616, 0.3111,
0.3321

■ 84.9227, 0.2903,
0.3835

100.0000, 0.3127,
0.3290

■ 81.5958, 0.2845,
0.4041

■ 78.8581, 0.2798,
0.4260

■ 76.6729, 0.2765,
0.4489

■ 74.9990, 0.2750,
0.4719

■ 73.7892, 0.2755,
0.4944

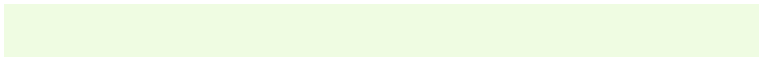
■ 72.9869, 0.2778,
0.5154

■ 72.5781, 0.2807,
0.5304

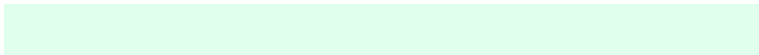
Harmonies

Analogous

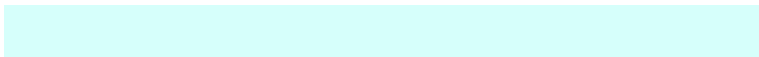
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.4817, 0.3199, 0.3557



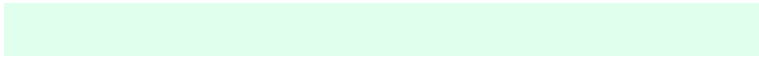
93.4817, 0.3039, 0.3474



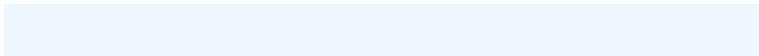
93.4817, 0.2905, 0.3339

Triad

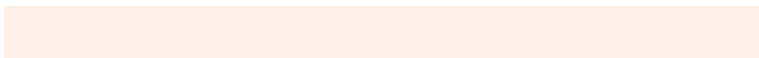
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.4817, 0.3039, 0.3474



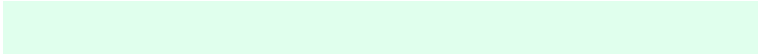
93.4817, 0.2913, 0.3025



93.4817, 0.3433, 0.3374

Complementary

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



93.4817, 0.3039, 0.3474



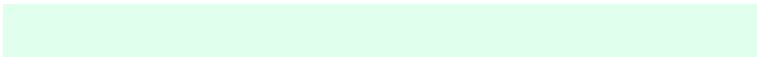
80.9674, 0.3226, 0.3113

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.



93.4817, 0.3352, 0.3237



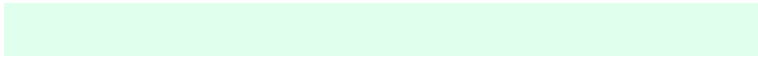
93.4817, 0.3039, 0.3474



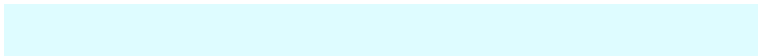
93.4817, 0.3050, 0.3039

Square

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



93.4817, 0.3039, 0.3474



93.4817, 0.2834, 0.3079



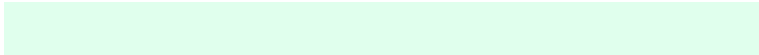
93.4817, 0.3211, 0.3116



93.4817, 0.3429, 0.3494

Rectangle

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



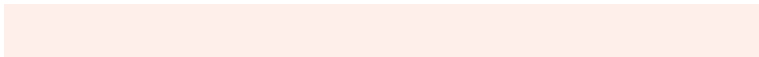
93.4817, 0.3039, 0.3474



93.4817, 0.2848, 0.3240



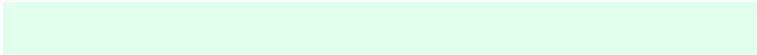
93.4817, 0.3211, 0.3116



93.4817, 0.3415, 0.3329

Sweetspot

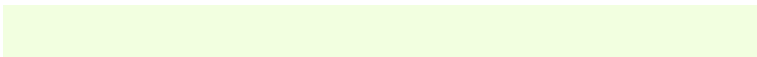
The Sweet Spot groups the original color and five complimentary colors.



93.4757, 0.3039, 0.3474



97.7407, 0.3098, 0.3348



95.7903, 0.3226, 0.3600



20.8323, 0.3093, 0.3359



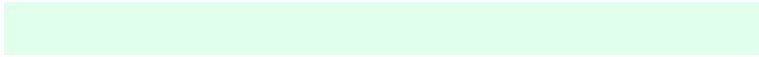
0.0000, 0.0000, 0.0000



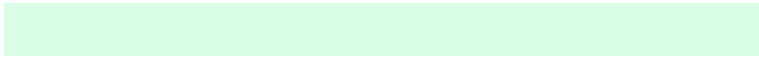
21.4041, 0.3127, 0.3290

Same Dimension

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



93.4757, 0.3039, 0.3474



92.1038, 0.3019, 0.3521



94.4175, 0.2954, 0.3315



20.2944, 0.3058, 0.3431



37.9518, 0.2798, 0.5273



3.7164, 0.2736, 0.5049

Inverse Universe

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



80.9674, 0.3226, 0.3113



76.9874, 0.3253, 0.3070



80.0783, 0.3331, 0.3265



18.1641, 0.3203, 0.3153



12.2592, 0.4623, 0.2320



1.2155, 0.4417, 0.2207

Previews

White Background



This preview shows how the Yxy color 93.4817, 0.3039, 0.3474 looks on a white background.

Color Contrast Check

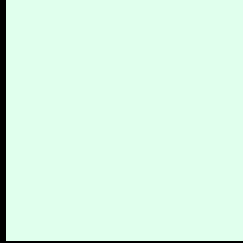
Large Text (above 18pt) WCAG AA × Fail

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 93.4817, 0.3039, 0.3474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

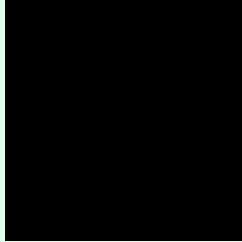
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

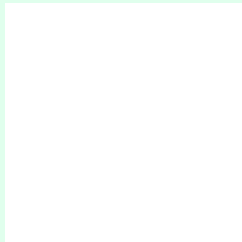
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.4817, 0.3039, 0.3474

Background



This preview shows how black text looks on a background with the Yxy color 93.4817, 0.3039, 0.3474.

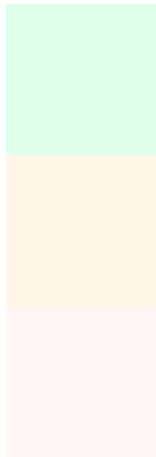


This preview shows how white text looks on a background with the Yxy color 93.4817, 0.3039, 0.3474.

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

93.4817, 0.3039, 0.3474

Protanopia

92.9977, 0.3271, 0.3427

Deuteranopia

93.1574, 0.3192, 0.3290

Tritanopia

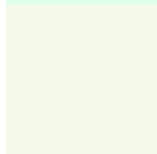
93.2320, 0.3049, 0.3221

Trichromacy



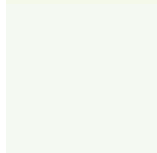
Original Color

93.4817, 0.3039, 0.3474



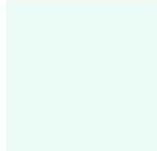
Protanomaly

92.9250, 0.3184, 0.3439



Deuteranomaly

93.3953, 0.3137, 0.3359



Tritanomaly

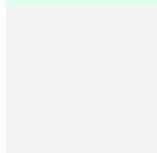
93.4338, 0.3045, 0.3320

Monochromacy



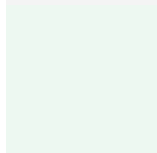
Original Color

93.4817, 0.3039, 0.3474



Achromatopsia

90.4661, 0.3127, 0.3290



Achromatomaly

91.4902, 0.3099, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.4817, 0.3039, 0.3474 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(224, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 237)  
}
```

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(224, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 237) }
```

Border

The CSS property to change the border of an element to Yxy 93.4817, 0.3039, 0.3474 is called "border". The border property can be set on classes, ids or directly on the HTML element.

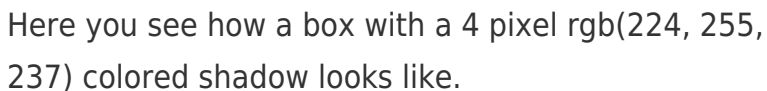
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(224, 255, 237) }
```

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

```
.border{ border-color:rgb(224, 255, 237) }
```

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



Here you see how a box with a 4 pixel rgb(224, 255, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 93.4817, 0.3039, 0.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 237) }
```

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

```
.background{ background-color: rgb(224,  
255, 237) }
```

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