

Converting Colors

$Yxy(93.8778, 0.3055, 0.3474)$

Have a look what the booklet for
Yxy(93.8778, 0.3055, 0.3474)
contains.

Yxy(93.9653, 0.3057, 0.3473)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(93.9653, 0.3057, 0.3473)

Conversions

Conversions Part 1

Format	Color
Hex	E3FFED
RGB	227, 255, 237
RGB Percent	89%, 100%, 93%
CMY	0.1100, 0.0000, 0.0707
CMYK	0.11, 0.00, 0.07, 0.00
HSL	141°, 100%, 94%
HSV	141°, 11%, 100%
XYZ	82.7100, 93.9653, 93.8841
YIQ	244.5760, -10.9100, -11.5340

Conversions

Conversions Part 2

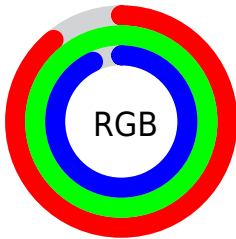
Format	Color
R _Y B	227, 248, 255
Decimal	14942189
CIE Lab	97.62, -12.38, 5.53
CIE LCh	98, 13.557, 155.908
Yxy	93.9653, 0.3057, 0.3473
Android (android.graphics.Color)	4293132269 (0xFFE3FFED)
YUV	244.5760, -3.7350, -15.4142
Hunter-Lab	96.9357, -17.3330, 10.4315

Details

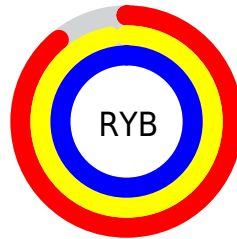
The Yxy color **93.9653, 0.3057, 0.3473** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.7607, 0.3205, 0.3114**, and the grayscale version is **90.9742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.3823, 0.3039, 0.3512** is the 20% darker color. If you saturate the color by 10%, you get **89.1992, 0.2995, 0.3661**, and if you desaturate by 10%, it is **99.4143, 0.3121, 0.3306**.

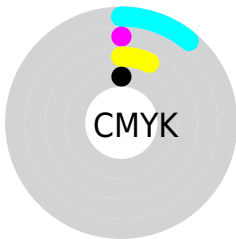
Distribution



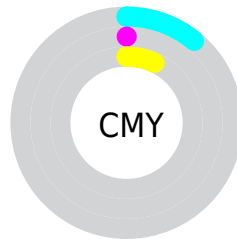
- Red (89%)
- Green (100%)
- Blue (93%)



- Red (89%)
- Yellow (97%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.9653, 0.3057, 0.3473 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 93.9653, 0.3057, 0.3473 by changing the saturation by 10% instead.


 93.9653, 0.3057,
0.3473

 93.9653, 0.3057,
0.3473

540.8472, 0.3089,
0.3391

 71.2741, 0.3050,
0.3491


152.8344, 0.3068,
0.3445

 52.5659, 0.3041,
0.3513


189.7810, 0.3072,
0.3434

 37.4563, 0.3031,
0.3541


232.2482, 0.3076,
0.3424

 25.5610, 0.3017,
0.3576

280.6204, 0.3079,
0.3416

 16.4955, 0.2999,
0.3624

335.2821, 0.3082,
0.3409

 9.8755, 0.2973,
0.3689

396.6175, 0.3084,

 5.3165, 0.2934,

0.3402

0.3787

465.0110, 0.3087,
0.3396

■ 2.4341, 0.2871,
0.3948

■ 0.8434, 0.2665,
0.4500

■ 93.9653, 0.3057,
0.3473

■ 93.9653, 0.3057,
0.3473

■ 89.1992, 0.2995,
0.3661

■ 99.4143, 0.3121,
0.3306

■ 85.1146, 0.2936,
0.3869

100.0000, 0.3127,
0.3290

■ 81.6710, 0.2883,
0.4096

■ 78.8343, 0.2840,
0.4339

■ 76.5676, 0.2810,
0.4590

■ 74.8295, 0.2797,
0.4842

■ 73.5728, 0.2801,
0.5085

■ 72.7412, 0.2824,
0.5307

■ 72.2791, 0.2856,
0.5482

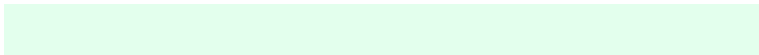
Harmonies

Analogous

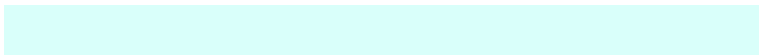
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.9653, 0.3208, 0.3545



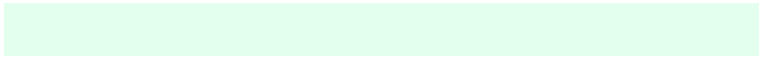
93.9653, 0.3057, 0.3473



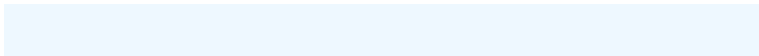
93.9653, 0.2927, 0.3349

Triad

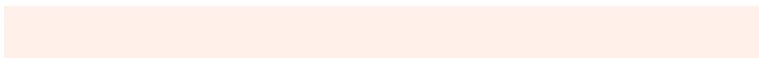
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.9653, 0.3057, 0.3473



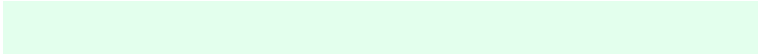
93.9653, 0.2915, 0.3041



93.9653, 0.3412, 0.3359

Complementary

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



93.9653, 0.3057, 0.3473



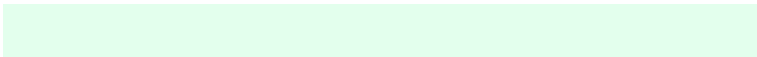
82.7607, 0.3205, 0.3114

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.



93.9653, 0.3330, 0.3229



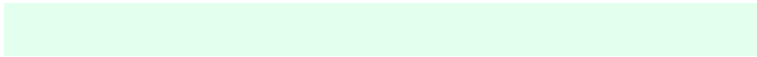
93.9653, 0.3057, 0.3473



93.9653, 0.3041, 0.3049

Square

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



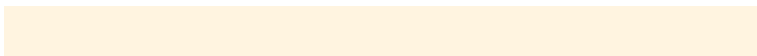
93.9653, 0.3057, 0.3473



93.9653, 0.2847, 0.3099



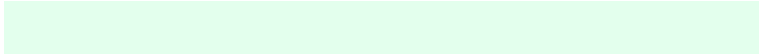
93.9653, 0.3193, 0.3117



93.9653, 0.3415, 0.3474

Rectangle

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



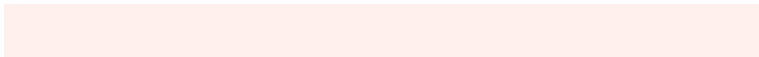
93.9653, 0.3057, 0.3473



93.9653, 0.2869, 0.3255



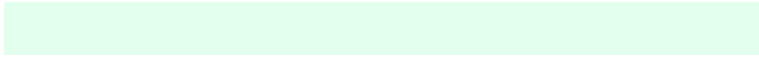
93.9653, 0.3193, 0.3117



93.9653, 0.3392, 0.3315

Sweetspot

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



93.9560, 0.3057, 0.3473



98.2654, 0.3108, 0.3337



96.5085, 0.3229, 0.3568



20.9360, 0.3103, 0.3350



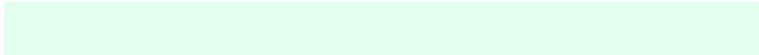
0.0000, 0.0000, 0.0000



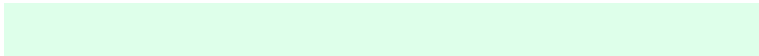
21.4041, 0.3127, 0.3290

Same Dimension

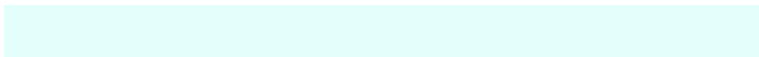
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.9560, 0.3057, 0.3473



92.9497, 0.3044, 0.3509



94.7945, 0.2981, 0.3332



20.2755, 0.3067, 0.3447



37.7931, 0.2848, 0.5452



3.6997, 0.2784, 0.5224

Inverse Universe

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



82.7607, 0.3205, 0.3114



79.9026, 0.3220, 0.3081



81.9486, 0.3296, 0.3249



18.1836, 0.3193, 0.3138



12.5348, 0.4373, 0.2183



1.2413, 0.4205, 0.2090

Previews

White Background



This preview shows how the Yxy color 93.9653, 0.3057, 0.3473 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 93.9653, 0.3057, 0.3473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

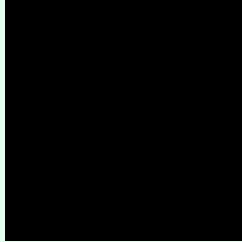
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

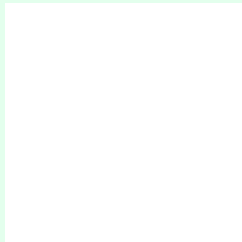
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.9653, 0.3057, 0.3473

Background



This preview shows how black text looks on a background with the Yxy color 93.9653, 0.3057, 0.3473.

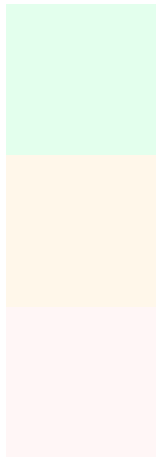


This preview shows how white text looks on a background with the Yxy color 93.9653, 0.3057, 0.3473.

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

93.9653, 0.3057, 0.3473

Protanopia

93.7220, 0.3257, 0.3417

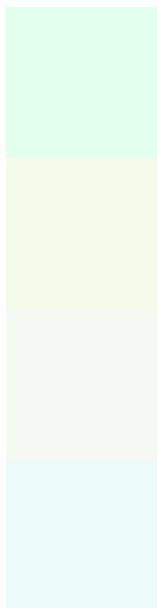
Deuteranopia

93.8254, 0.3185, 0.3290

Tritanopia

94.0260, 0.3055, 0.3231

Trichromacy



Original Color

93.9653, 0.3057, 0.3473

Protanomaly

93.7819, 0.3184, 0.3438

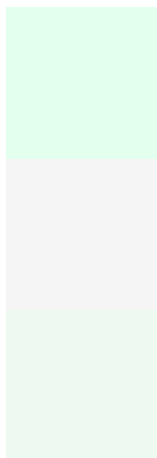
Deuteranomaly

93.6349, 0.3137, 0.3349

Tritanomaly

93.7762, 0.3057, 0.3320

Monochromacy



Original Color

93.9653, 0.3057, 0.3473

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

92.3393, 0.3099, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.9653, 0.3057, 0.3473 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 237) }
```

Border

The CSS property to change the border of an element to Yxy 93.9653, 0.3057, 0.3473 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, 237) }
```

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

```
.border{ border-color:rgb(227, 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(227, 255, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 93.9653, 0.3057, 0.3473 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, 237) }
```

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

```
.background{ background-color: rgb(227,  
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