

# Converting Colors

$Y_{xy}(100.0000, 0.3017, 0.3545)$

Have a look what the booklet for  
Yxy(100.0000, 0.3017, 0.3545)  
contains.

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# Color

**Yxy(93.4992, 0.3016, 0.3443)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFFFF0
RGB	223, 255, 240
RGB Percent	87%, 100%, 94%
CMY	0.1257, 0.0000, 0.0589
CMYK	0.13, 0.00, 0.06, 0.00
HSL	152°, 100%, 94%
HSV	152°, 13%, 100%
XYZ	81.9035, 93.4992, 96.1605
YIQ	243.7220, -14.2570, -11.4490

# Conversions

## Conversions Part 2

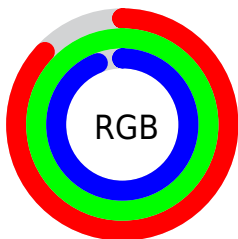
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 244, 255
Decimal	14680048
CIE <sub>Lab</sub>	97.43, -13.12, 3.68
CIE <sub>LCh</sub>	97, 13.629, 164.321
Yxy	93.4992, 0.3016, 0.3443
Android (android.graphics.Color)	4292870128 (0xFFDFFF0)
YUV	243.7220, -1.8349, -18.1732
Hunter-Lab	96.6950, -18.0216, 8.7242

# Details

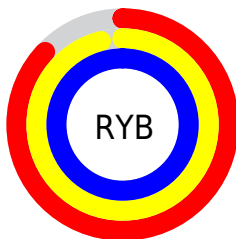
The Yxy color **93.4992, 0.3016, 0.3443** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.1713, 0.3254, 0.3142**, and the grayscale version is **90.2392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.1737, 0.2995, 0.3473** is the 20% darker color. If you saturate the color by 10%, you get **89.0539, 0.2931, 0.3580**, and if you desaturate by 10%, it is **98.5801, 0.3104, 0.3320**.

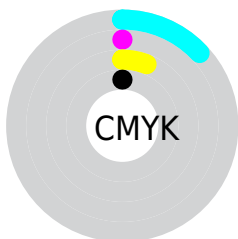
# Distribution



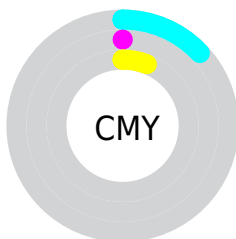
- Red (87%)
- Green (100%)
- Blue (94%)



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



- Cyan (13%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.4992, 0.3016, 0.3443 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 93.4992, 0.3016, 0.3443 by changing the saturation by 10% instead.




 93.4992, 0.3016,  
0.3443

 93.4992, 0.3016,  
0.3443


539.3491, 0.3066,  
0.3375

 70.8865, 0.3005,  
0.3458


152.1896, 0.3033,  
0.3420

 52.2496, 0.2992,  
0.3477


189.0360, 0.3040,  
0.3410

 37.2040, 0.2975,  
0.3500

231.3958, 0.3045,  
0.3403

 25.3655, 0.2954,  
0.3529

279.6534, 0.3050,  
0.3396

 16.3496, 0.2926,  
0.3568

334.1931, 0.3055,  
0.3389

 9.7719, 0.2888,  
0.3623

395.3993, 0.3059,

 5.2480, 0.2830,

0.3384

0.3703

463.6565, 0.3062,  
0.3379

■ 2.3935, 0.2738,  
0.3836

■ 0.8225, 0.2401,  
0.4279

■ 93.4992, 0.3016,  
0.3443

■ 93.4992, 0.3016,  
0.3443

■ 89.0539, 0.2931,  
0.3580


■ 98.5801, 0.3104,  
0.3320

■ 85.2475, 0.2852,  
0.3731


100.0000, 0.3127,  
0.3290


■ 82.0395, 0.2783,  
0.3895


■ 79.3971, 0.2726,  
0.4069

 77.2843, 0.2684,  
0.4252

 75.6609, 0.2662,  
0.4438

 74.4804, 0.2660,  
0.4623

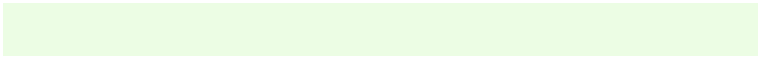
 73.6868, 0.2679,  
0.4803

 73.2873, 0.2703,  
0.4930

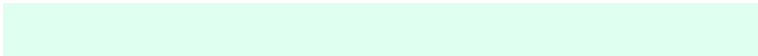
# Harmonies

## Analogous

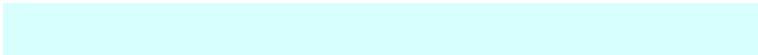
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.4992, 0.3166, 0.3534



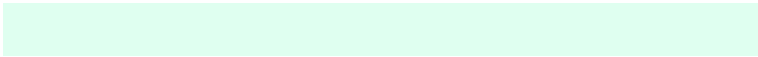
93.4992, 0.3016, 0.3443



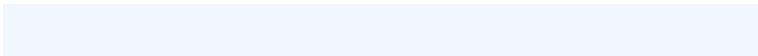
93.4992, 0.2898, 0.3309

# Triad

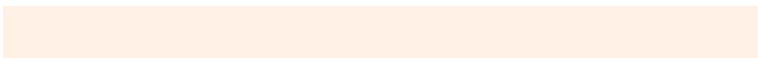
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.4992, 0.3016, 0.3443



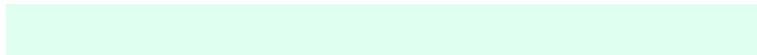
93.4992, 0.2945, 0.3035



93.4992, 0.3423, 0.3395

# Complementary

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



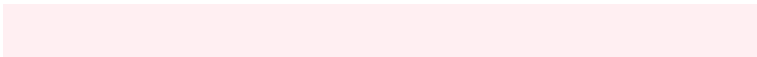
93.4992, 0.3016, 0.3443



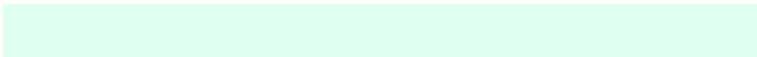
80.1713, 0.3254, 0.3142

# 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.



93.4992, 0.3361, 0.3265



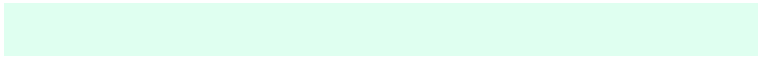
93.4992, 0.3016, 0.3443



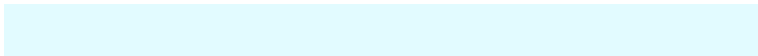
93.4992, 0.3083, 0.3061

# Square

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



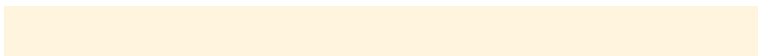
93.4992, 0.3016, 0.3443



93.4992, 0.2857, 0.3075



93.4992, 0.3235, 0.3144

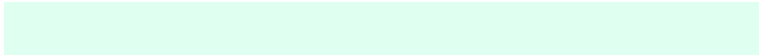


93.4992, 0.3404, 0.3501



# Rectangle

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



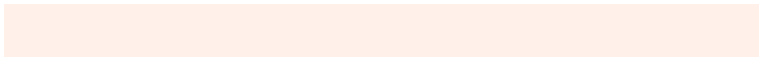
93.4992, 0.3016, 0.3443



93.4992, 0.2851, 0.3217



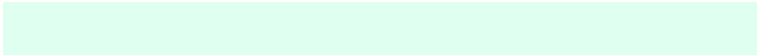
93.4992, 0.3235, 0.3144



93.4992, 0.3411, 0.3352

# Sweetspot

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



93.4887, 0.3016, 0.3443



97.8128, 0.3092, 0.3336



95.0966, 0.3209, 0.3612



20.8505, 0.3085, 0.3345



0.0000, 0.0000, 0.0000

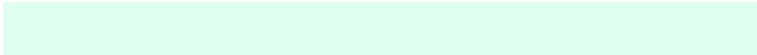


21.4041, 0.3127, 0.3290

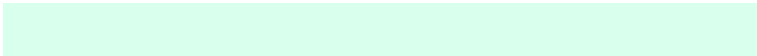


# Same Dimension

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



93.4887, 0.3016, 0.3443



92.3535, 0.2995, 0.3475



94.0774, 0.2934, 0.3284



20.3297, 0.3043, 0.3403



38.3247, 0.2695, 0.4902



3.7536, 0.2640, 0.4704



# Inverse Universe

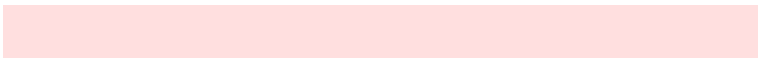
The Inverse Universe completely reimagines the original color for something new.



80.1713, 0.3254, 0.3142



76.7351, 0.3283, 0.3112



79.6117, 0.3356, 0.3296



18.1286, 0.3220, 0.3179



11.8389, 0.5100, 0.2583

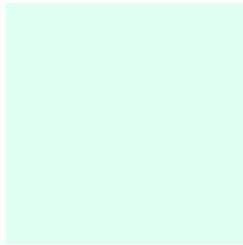


1.1745, 0.4828, 0.2434



# Previews

## White Background



This preview shows how the Yxy color 93.4992, 0.3016, 0.3443 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

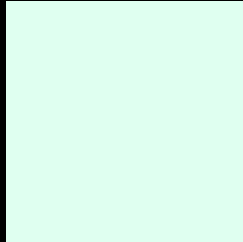
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.4992, 0.3016, 0.3443 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

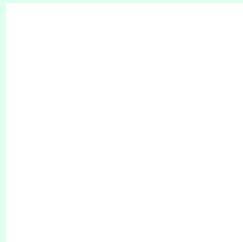
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 93.4992, 0.3016, 0.3443**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.4992, 0.3016, 0.3443.

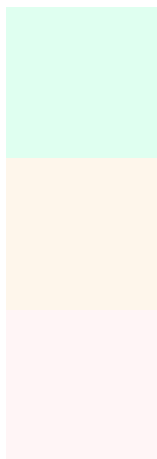


This preview shows how white text looks on a background with the Yxy color 93.4992, 0.3016, 0.3443.

# 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

93.4992, 0.3016, 0.3443

### Protanopia

92.9805, 0.3246, 0.3398

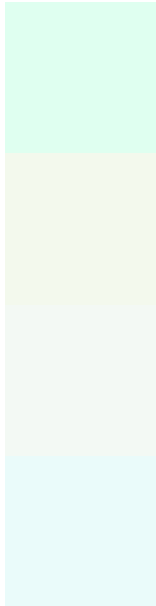
### Deuteranopia

93.2186, 0.3186, 0.3281

## **Tritanopia**

93.0556, 0.3042, 0.3221

# Trichromacy



## Original Color

93.4992, 0.3016, 0.3443

## Protanomaly

92.9205, 0.3160, 0.3409

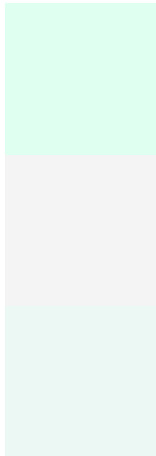
## Deuteranomaly

93.3377, 0.3119, 0.3339

## Tritanomaly

93.3889, 0.3027, 0.3300

# Monochromacy



## Original Color

93.4992, 0.3016, 0.3443

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

91.4387, 0.3081, 0.3340

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.4992, 0.3016, 0.3443 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(223, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 240)  
}
```

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(223, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 93.4992, 0.3016, 0.3443 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(223, 255, 240) }
```

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

```
.border{ border-color:rgb(223, 255, 240) }
```

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

Here you see how a box with a 4 pixel rgb(223, 255, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.4992, 0.3016, 0.3443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 240) }
```

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

```
.background{ background-color: rgb(223,  
255, 240) }
```

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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