

# Converting Colors

$Y_{xy}(100.0000, 0.3069, 0.3494)$

Have a look what the booklet for  
Yxy(100.0000, 0.3069, 0.3494)  
contains.

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# Color

**Yxy(95.2544, 0.3066, 0.3420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9FFF2
RGB	233, 255, 242
RGB Percent	91%, 100%, 95%
CMY	0.0862, 0.0000, 0.0511
CMYK	0.09, 0.00, 0.05, 0.00
HSL	144°, 100%, 96%
HSV	144°, 9%, 100%
XYZ	85.3947, 95.2544, 97.8725
YIQ	246.9400, -8.9390, -8.7070

# Conversions

## Conversions Part 2

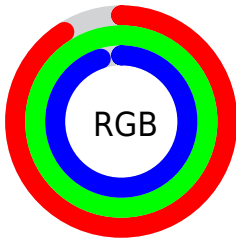
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 249, 255
Decimal	15335410
CIE Lab	98.14, -9.50, 3.77
CIE LCh	98, 10.215, 158.359
Yxy	95.2544, 0.3066, 0.3420
Android (android.graphics.Color)	4293525490 (0xFFE9FFF2)
YUV	246.9400, -2.4354, -12.2254
Hunter-Lab	97.5984, -14.6166, 8.8623

# Details

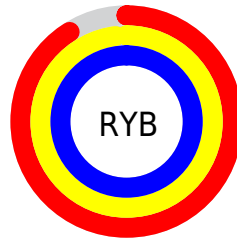
The Yxy color 95.2544, 0.3066, 0.3420 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.2097, 0.3193, 0.3163, and the grayscale version is 92.9904, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.2804, 0.3050, 0.3444 is the 20% darker color. If you saturate the color by 10%, you get 90.4003, 0.2996, 0.3588, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

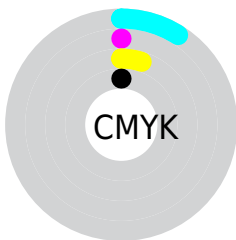
# Distribution



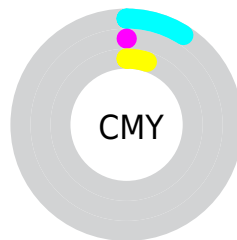
- Red (91%)
- Green (100%)
- Blue (95%)



- Red (91%)
- Yellow (98%)
- Blue (100%)



- Cyan (9%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.2544, 0.3066, 0.3420 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 95.2544, 0.3066, 0.3420 by changing the saturation by 10% instead.



 95.2544, 0.3066,  
0.3420

 95.2544, 0.3066,  
0.3420


544.9791, 0.3093,  
0.3362

 72.3467, 0.3060,  
0.3433


154.6160, 0.3075,  
0.3400

 53.4420, 0.3053,  
0.3448


191.8388, 0.3079,  
0.3393

 38.1557, 0.3044,  
0.3467


234.6020, 0.3082,  
0.3386

 26.1036, 0.3032,  
0.3492

283.2901, 0.3085,  
0.3380

 16.9011, 0.3017,  
0.3525

338.2874, 0.3087,  
0.3375

 10.1640, 0.2995,  
0.3570

399.9785, 0.3090,

 5.5078, 0.2964,

0.3370

0.3636

468.7476, 0.3092,  
0.3366

■ 2.5482, 0.2913,  
0.3744

■ 0.9007, 0.2784,  
0.4017

■ 95.2544, 0.3066,  
0.3420

■ 95.2544, 0.3066,  
0.3420

■ 90.4003, 0.2996,  
0.3588

100.0000, 0.3127,  
0.3290

■ 86.2098, 0.2930,  
0.3775

■ 82.6559, 0.2870,  
0.3980

■ 79.7059, 0.2820,  
0.4200

■ 77.3243, 0.2783,  
0.4430

■ 75.4715, 0.2762,  
0.4665

■ 74.1026, 0.2760,  
0.4896

■ 73.1646, 0.2777,  
0.5115

■ 72.5832, 0.2811,  
0.5313

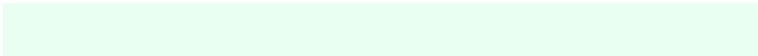
# Harmonies

## Analogous

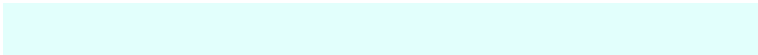
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.2544, 0.3179, 0.3478



95.2544, 0.3066, 0.3420



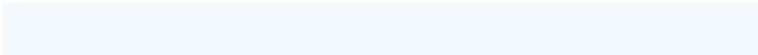
95.2544, 0.2970, 0.3326

# Triad

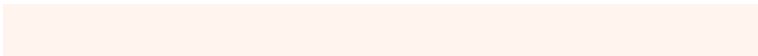
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.2544, 0.3066, 0.3420



95.2544, 0.2974, 0.3101



95.2544, 0.3343, 0.3351

# Complementary

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



95.2544, 0.3066, 0.3420



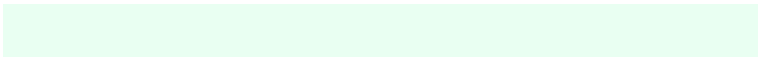
86.2097, 0.3193, 0.3163

# 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.



95.2544, 0.3286, 0.3252



95.2544, 0.3066, 0.3420



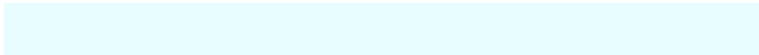
95.2544, 0.3072, 0.3110

# Square

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



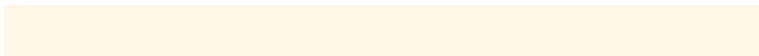
95.2544, 0.3066, 0.3420



95.2544, 0.2918, 0.3142



95.2544, 0.3186, 0.3165



95.2544, 0.3340, 0.3435



# Rectangle

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



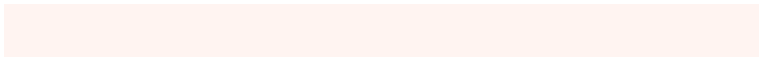
95.2544, 0.3066, 0.3420



95.2544, 0.2929, 0.3257



95.2544, 0.3186, 0.3165



95.2544, 0.3330, 0.3318

# Sweetspot

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



95.2578, 0.3066, 0.3420



98.2893, 0.3106, 0.3334



97.0357, 0.3200, 0.3506



20.9424, 0.3100, 0.3346



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.



95.2578, 0.3066, 0.3420



94.5451, 0.3056, 0.3442



95.9274, 0.3006, 0.3311



20.2909, 0.3060, 0.3434



37.9198, 0.2808, 0.5308



3.7131, 0.2745, 0.5083



# Inverse Universe

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



86.2097, 0.3193, 0.3163



84.1445, 0.3205, 0.3143



85.5641, 0.3263, 0.3269



18.1677, 0.3201, 0.3150



12.3083, 0.4575, 0.2294

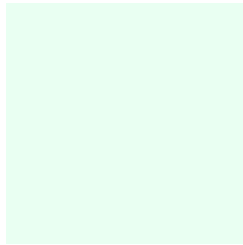


1.2201, 0.4376, 0.2184



# Previews

## White Background



This preview shows how the Yxy color 95.2544, 0.3066, 0.3420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

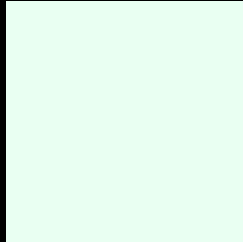
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.2544, 0.3066, 0.3420 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

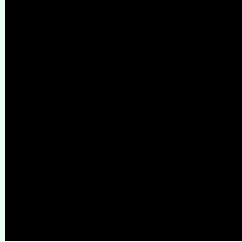
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

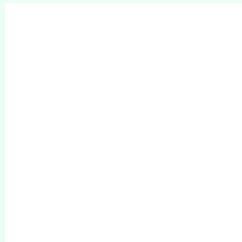
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 95.2544, 0.3066, 0.3420**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.2544, 0.3066, 0.3420.

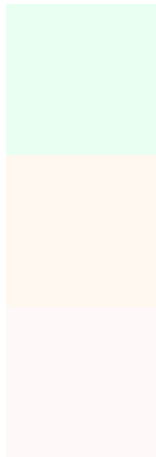


This preview shows how white text looks on a background with the Yxy color 95.2544, 0.3066, 0.3420.

# 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

95.2544, 0.3066, 0.3420

### Protanopia

94.6861, 0.3220, 0.3368

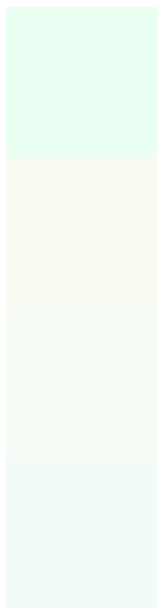
### Deuteranopia

95.1721, 0.3172, 0.3290

## **Tritanopia**

95.1840, 0.3073, 0.3241

# Trichromacy



## Original Color

95.2544, 0.3066, 0.3420

## Protanomaly

95.1194, 0.3160, 0.3388

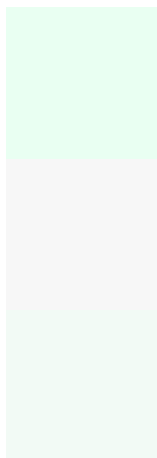
## Deuteranomaly

95.4223, 0.3131, 0.3339

## Tritanomaly

95.2237, 0.3070, 0.3309

# Monochromacy



## Original Color

95.2544, 0.3066, 0.3420

## Achromatopsia

93.0111, 0.3127, 0.3290

## Achromatomaly

93.8410, 0.3106, 0.3339

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.2544, 0.3066, 0.3420 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(233, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 242)  
}
```

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(233, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 95.2544, 0.3066, 0.3420 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(233, 255, 242) }
```

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

```
.border{ border-color:rgb(233, 255, 242) }
```

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

Here you see how a box with a 4 pixel rgb(233, 255, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.2544, 0.3066, 0.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 242) }
```

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

```
.background{ background-color: rgb(233,  
255, 242) }
```

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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