

# Converting Colors

$Yxy(95.1592, 0.3016, 0.3269)$

Have a look what the booklet for  
Yxy(95.1592, 0.3016, 0.3269)  
contains.

<b>Yxy(95.4751, 0.3017, 0.3270)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(95.4751, 0.3017, 0.3270)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDFDFF
RGB	237, 253, 255
RGB Percent	93%, 99%, 100%
CMY	0.0708, 0.0078, 0.0000
CMYK	0.07, 0.01, 0.00, 0.00
HSL	187°, 100%, 96%
HSV	187°, 7%, 100%
XYZ	88.0882, 95.4751, 108.4095
YIQ	248.4440, -10.1780, -2.7700

# Conversions

## Conversions Part 2

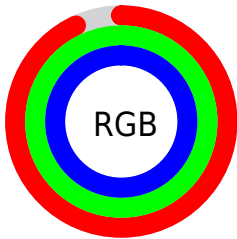
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	237, 245, 255
Decimal	15597055
CIE <sub>Lab</sub>	98.22, -4.85, -2.77
CIE <sub>LCh</sub>	98, 5.591, 209.734
Y <sub>xy</sub>	95.4751, 0.3017, 0.3270
Android (android.graphics.Color)	4293787135 (0xFFEFDFFF)
Y <sub>UV</sub>	248.4440, 3.2321, -10.0364
Hunter-Lab	97.7114, -10.0746, 2.6165

# Details

The Yxy color 95.4751, 0.3017, 0.3270 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.0592, 0.3247, 0.3310, and the grayscale version is 94.2255, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.3808, 0.2996, 0.3265 is the 20% darker color. If you saturate the color by 10%, you get 89.6445, 0.2866, 0.3240, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

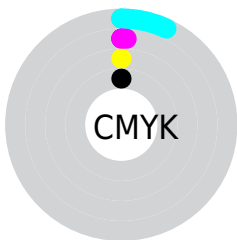
# Distribution



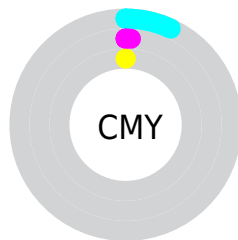
- Red (93%)
- Green (99%)
- Blue (100%)



- Red (93%)
- Yellow (96%)
- Blue (100%)



- Cyan (7%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (1%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.4751, 0.3017, 0.3270 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 95.4751, 0.3017, 0.3270 by changing the saturation by 10% instead.




 95.4751, 0.3017,  
0.3270

 95.4751, 0.3017,  
0.3270

545.6848, 0.3065,  
0.3279

 72.5305, 0.3006,  
0.3268

154.9208, 0.3033,  
0.3273

 53.5921, 0.2994,  
0.3265


192.1907, 0.3040,  
0.3274

 38.2757, 0.2978,  
0.3262


235.0044, 0.3045,  
0.3275

 26.1967, 0.2958,  
0.3258

283.7464, 0.3050,  
0.3276

 16.9709, 0.2932,  
0.3253

338.8010, 0.3055,  
0.3277

 10.2137, 0.2897,  
0.3246

400.5527, 0.3059,

 5.5409, 0.2845,

0.3278

0.3234

469.3859, 0.3062,  
0.3279

■ 2.5680, 0.2765,  
0.3216

■ 0.9106, 0.2611,  
0.3184

■ 95.4751, 0.3017,  
0.3270

■ 95.4751, 0.3017,  
0.3270

■ 89.6445, 0.2866,  
0.3240

100.0000, 0.3127,  
0.3290

■ 84.4349, 0.2723,  
0.3208

■ 79.8208, 0.2591,  
0.3173

■ 75.7717, 0.2473,  
0.3136

■ 72.2544, 0.2371,  
0.3099

■ 69.2321, 0.2288,  
0.3060

■ 66.6628, 0.2225,  
0.3021

■ 64.4975, 0.2181,  
0.2983

■ 62.6733, 0.2154,  
0.2945

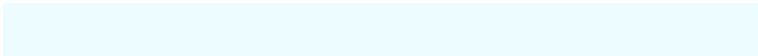
# Harmonies

## Analogous

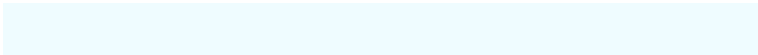
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.4751, 0.3055, 0.3326



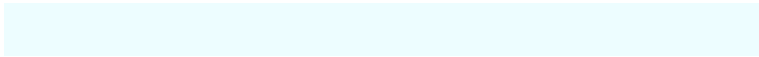
95.4751, 0.3017, 0.3270



95.4751, 0.3009, 0.3220

# Triad

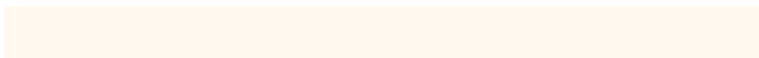
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.4751, 0.3017, 0.3270



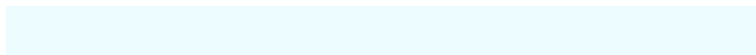
95.4751, 0.3142, 0.3210



95.4751, 0.3223, 0.3391

# Complementary

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



95.4751, 0.3017, 0.3270



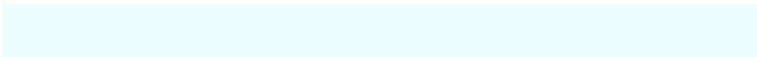
89.0592, 0.3247, 0.3310

# Split Complementary

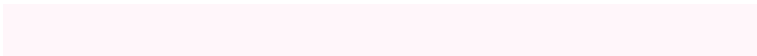
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.4751, 0.3247, 0.3358



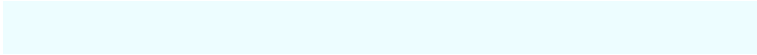
95.4751, 0.3017, 0.3270



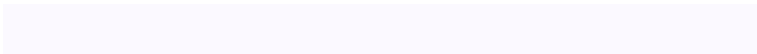
95.4751, 0.3200, 0.3255

# Square

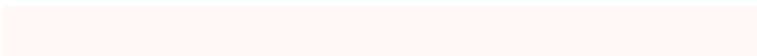
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



95.4751, 0.3017, 0.3270



95.4751, 0.3080, 0.3187



95.4751, 0.3239, 0.3309

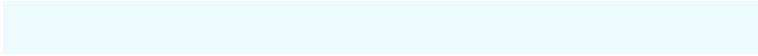


95.4751, 0.3173, 0.3396

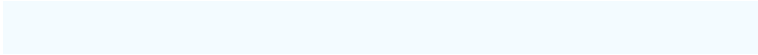


# Rectangle

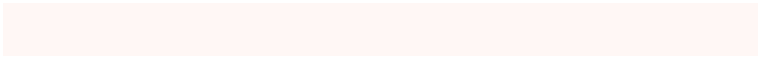
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



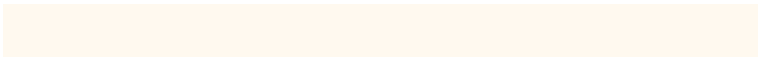
95.4751, 0.3017, 0.3270



95.4751, 0.3021, 0.3198



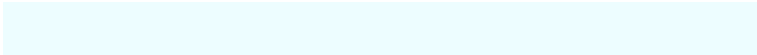
95.4751, 0.3239, 0.3309



95.4751, 0.3235, 0.3383

# Sweetspot

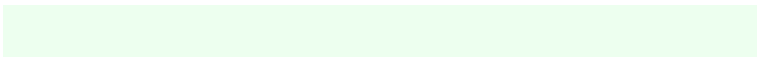
The Sweet Spot groups the original color and five complimentary colors.



95.4778, 0.3017, 0.3270



98.6892, 0.3096, 0.3285



95.7319, 0.3108, 0.3452



21.1373, 0.3097, 0.3285



0.0000, 0.0000, 0.0000

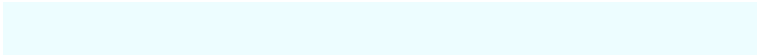


21.4041, 0.3127, 0.3290

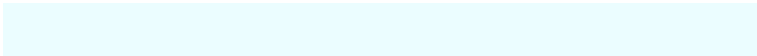


# Same Dimension

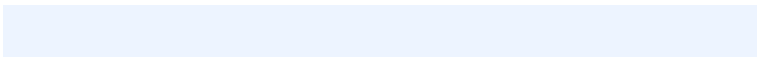
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.4778, 0.3017, 0.3270



94.9151, 0.3003, 0.3268



90.0160, 0.3018, 0.3182



20.1210, 0.2980, 0.3263



32.6259, 0.2150, 0.2940



3.2698, 0.2162, 0.2984



# Inverse Universe

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



88.8886, 0.3148, 0.3135



87.5246, 0.3150, 0.3115



94.3690, 0.3239, 0.3395



18.2640, 0.3155, 0.3081



14.0216, 0.3507, 0.1706

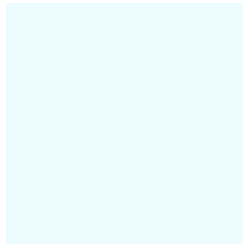


1.3746, 0.3469, 0.1684



# Previews

## White Background



This preview shows how the Yxy color 95.4751, 0.3017, 0.3270 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

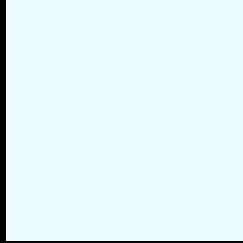
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.4751, 0.3017, 0.3270 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

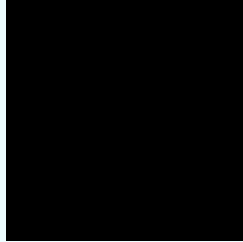
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

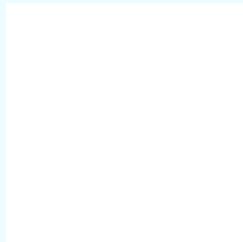
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 95.4751, 0.3017, 0.3270**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.4751, 0.3017, 0.3270.

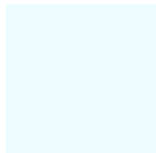


This preview shows how white text looks on a background with the Yxy color 95.4751, 0.3017, 0.3270.

# 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

95.4751, 0.3017, 0.3270



### Protanopia

95.0457, 0.3135, 0.3252

### Deuteranopia

95.4231, 0.3148, 0.3252

## **Tritanopia**

95.3654, 0.3079, 0.3242

# Trichromacy



**Original Color**

95.4751, 0.3017, 0.3270

**Protanomaly**

95.2372, 0.3091, 0.3261

**Deuteranomaly**

95.4195, 0.3097, 0.3261

**Tritanomaly**

95.2690, 0.3054, 0.3251

# Monochromacy



**Original Color**

95.4751, 0.3017, 0.3270

**Achromatopsia**

93.8686, 0.3127, 0.3290

**Achromatomaly**

94.5693, 0.3084, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.4751, 0.3017, 0.3270 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(237, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 253, 255)  
}
```

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(237, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 253, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 95.4751, 0.3017, 0.3270 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(237, 253, 255) }
```

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

```
.border{ border-color:rgb(237, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 253,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.4751, 0.3017, 0.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 253, 255) }
```

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

```
.background{ background-color: rgb(237,  
253, 255) }
```

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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