

# Converting Colors

Yxy(87.4091, 0.2726, 0.2720)

Have a look what the booklet for  
Yxy(87.4091, 0.2726, 0.2720)  
contains.

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# Color

**Yxy(84.7000, 0.2955, 0.3117)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3EEFF
RGB	227, 238, 255
RGB Percent	89%, 93%, 100%
CMY	0.1099, 0.0666, 0.0000
CMYK	0.11, 0.07, 0.00, 0.00
HSL	216°, 100%, 95%
HSV	216°, 11%, 100%
XYZ	80.2979, 84.7000, 106.7378
YIQ	236.6490, -12.0130, 2.9550

# Conversions

## Conversions Part 2

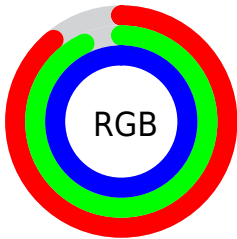
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 235, 255
Decimal	14937855
CIE Lab	93.75, -0.41, -9.45
CIE LCh	94, 9.456, 267.541
Yxy	84.7000, 0.2955, 0.3117
Android (android.graphics.Color)	4293127935 (0xFFE3EEFF)
YUV	236.6490, 9.0470, -8.4622
Hunter-Lab	92.0326, -5.3169, -4.3407

# Details

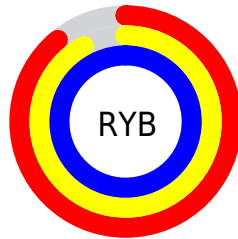
The Yxy color **84.7000, 0.2955, 0.3117** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.4811, 0.3304, 0.3457**, and the grayscale version is **84.3384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3038, 0.2923, 0.3081** is the 20% darker color. If you saturate the color by 10%, you get **72.2420, 0.2789, 0.2940**, and if you desaturate by 10%, it is **98.5495, 0.3112, 0.3275**.

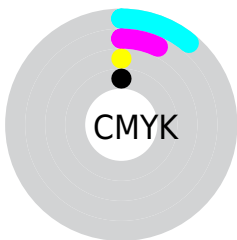
# Distribution



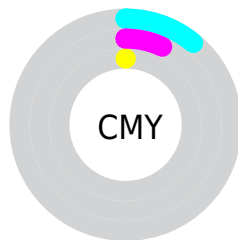
- Red (89%)
- Green (93%)
- Blue (100%)



- Red (89%)
- Yellow (92%)
- Blue (100%)



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



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7000, 0.2955, 0.3117 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 84.7000, 0.2955, 0.3117 by changing the saturation by 10% instead.



84.7000, 0.2955,  
0.3117

84.7000, 0.2955,  
0.3117

510.6349, 0.3032,  
0.3195

63.5935, 0.2938,  
0.3100

139.9540, 0.2981,  
0.3144

46.3215, 0.2917,  
0.3079

174.8702, 0.2992,  
0.3154

32.4996, 0.2891,  
0.3052

215.1586, 0.3001,  
0.3163

21.7434, 0.2858,  
0.3019

261.2033, 0.3009,  
0.3171

13.6685, 0.2813,  
0.2974

313.3890, 0.3016,  
0.3178

7.8905, 0.2752,  
0.2911

372.0998, 0.3022,

4.0249, 0.2660,

0.3184

0.2819

437.7203, 0.3027,  
0.3190

■ 1.6875, 0.2511,  
0.2667

■ 0.4156, 0.2004,  
0.2163

■ 84.7000, 0.2955,  
0.3117

■ 84.7000, 0.2955,  
0.3117

■ 72.2420, 0.2789,  
0.2940

■ 98.5495, 0.3112,  
0.3275

■ 61.1219, 0.2617,  
0.2744

100.0000, 0.3127,  
0.3290

■ 51.2933, 0.2442,  
0.2531

■ 42.7039, 0.2269,  
0.2303

■ 35.2972, 0.2105,  
0.2067

■ 29.0118, 0.1957,  
0.1829

■ 23.7792, 0.1831,  
0.1598

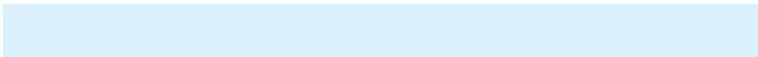
■ 19.5206, 0.1734,  
0.1384

■ 16.4209, 0.1670,  
0.1210

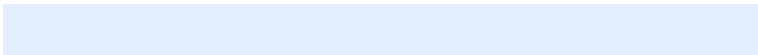
# Harmonies

## Analogous

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



84.7000, 0.2919, 0.3172



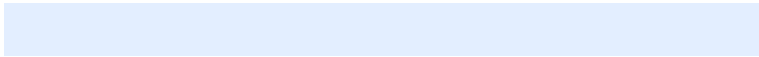
84.7000, 0.2955, 0.3117



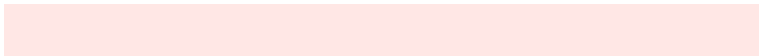
84.7000, 0.3037, 0.3108

# Triad

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



84.7000, 0.2955, 0.3117



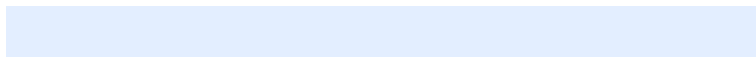
84.7000, 0.3321, 0.3315



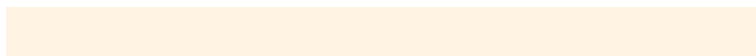
84.7000, 0.3107, 0.3440

# Complementary

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



84.7000, 0.2955, 0.3117



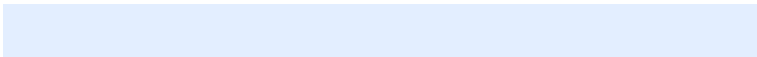
91.4811, 0.3304, 0.3457

# Split Complementary

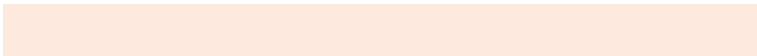
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7000, 0.3215, 0.3479



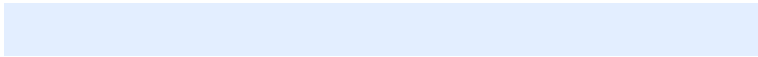
84.7000, 0.2955, 0.3117



84.7000, 0.3340, 0.3403

# Square

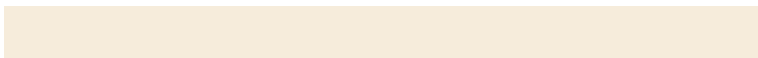
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7000, 0.2955, 0.3117



84.7000, 0.3249, 0.3221



84.7000, 0.3301, 0.3464

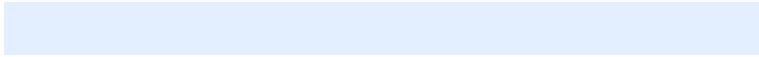


84.7000, 0.3006, 0.3360



# Rectangle

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



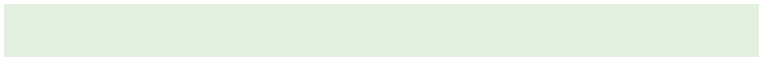
84.7000, 0.2955, 0.3117



84.7000, 0.3108, 0.3129



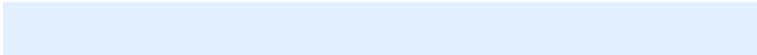
84.7000, 0.3301, 0.3464



84.7000, 0.3144, 0.3459

# Sweetspot

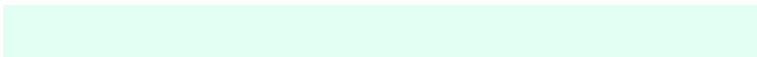
The Sweet Spot groups the original color and five complimentary colors.



84.7024, 0.2955, 0.3117



95.6552, 0.3081, 0.3245



94.3650, 0.3019, 0.3403



20.2302, 0.3069, 0.3233



0.0000, 0.0000, 0.0000

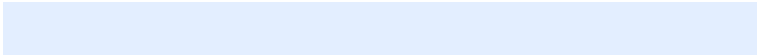


21.4041, 0.3127, 0.3290



# Same Dimension

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



84.7024, 0.2955, 0.3117



82.0902, 0.2922, 0.3083



78.9280, 0.2972, 0.3004



18.5516, 0.2979, 0.3142



8.8506, 0.1678, 0.1241



1.0674, 0.1740, 0.1465



# Inverse Universe

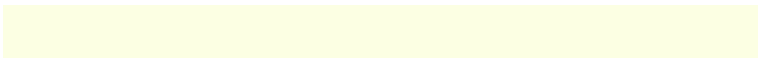
The Inverse Universe completely reimagines the original color for something new.



82.3561, 0.3250, 0.3182



79.4158, 0.3276, 0.3161



97.7967, 0.3274, 0.3564



18.1056, 0.3232, 0.3197



11.6214, 0.5409, 0.2753

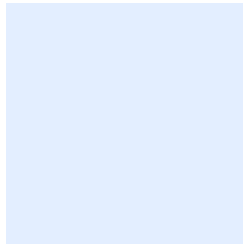


1.1523, 0.5105, 0.2586



# Previews

## White Background



This preview shows how the Yxy color 84.7000, 0.2955, 0.3117 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

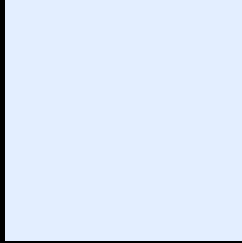
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.7000, 0.2955, 0.3117 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

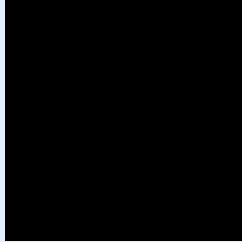
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

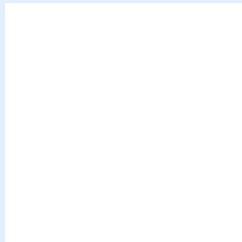
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.7000, 0.2955, 0.3117**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.7000, 0.2955, 0.3117.



This preview shows how white text looks on a background with the Yxy color 84.7000, 0.2955, 0.3117.

# 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

84.7000, 0.2955, 0.3117

### Protanopia

84.3414, 0.3024, 0.3109

### Deuteranopia

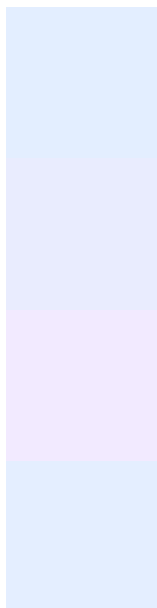
84.6958, 0.3105, 0.3056



## Tritanopia

84.8631, 0.2962, 0.3117

# Trichromacy



## Original Color

84.7000, 0.2955, 0.3117

## Protanomaly

84.4703, 0.2999, 0.3109

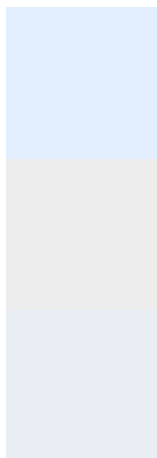
## Deuteranomaly

84.9429, 0.3051, 0.3082

## Tritanomaly

84.8631, 0.2962, 0.3117

# Monochromacy



## Original Color

84.7000, 0.2955, 0.3117

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.4237, 0.3058, 0.3219

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.7000, 0.2955, 0.3117 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, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 238, 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(227, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 238, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 84.7000, 0.2955, 0.3117 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, 238, 255) }
```

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

```
.border{ border-color:rgb(227, 238, 255) }
```

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

Here you see how a box with a 4 pixel rgb(227, 238, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 238,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.7000, 0.2955, 0.3117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 238, 255) }
```

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

```
.background{ background-color: rgb(227,  
238, 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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