

# Converting Colors

$Yxy(85.0119, 0.2992, 0.3161)$

Have a look what the booklet for  
Yxy(85.0119, 0.2992, 0.3161)  
contains.

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# Color

**Yxy(84.7721, 0.2991, 0.3158)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5EEFB
RGB	229, 238, 251
RGB Percent	90%, 93%, 98%
CMY	0.1021, 0.0666, 0.0158
CMYK	0.09, 0.05, 0.00, 0.02
HSL	215°, 73%, 94%
HSV	215°, 9%, 98%
XYZ	80.2892, 84.7721, 103.3747
YIQ	236.7910, -9.5370, 2.1350

# Conversions

## Conversions Part 2

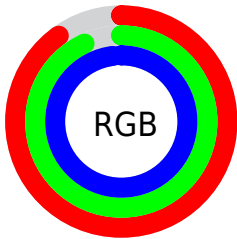
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 235, 251
Decimal	15068923
CIE Lab	93.78, -0.56, -7.28
CIE LCh	94, 7.306, 265.629
Yxy	84.7721, 0.2991, 0.3158
Android (android.graphics.Color)	4293259003 (0xFFE5EEFB)
YUV	236.7910, 7.0050, -6.8327
Hunter-Lab	92.0718, -5.4685, -2.1183

# Details

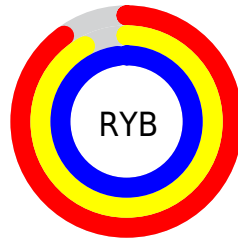
The Yxy color **84.7721, 0.2991, 0.3158** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.6206, 0.3267, 0.3419**, and the grayscale version is **84.4676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2803, 0.2953, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **72.6859, 0.2828, 0.2990**, and if you desaturate by 10%, it is **98.1686, 0.3146, 0.3307**.

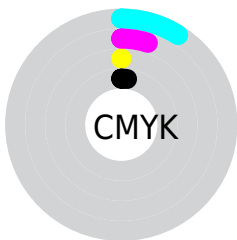
# Distribution



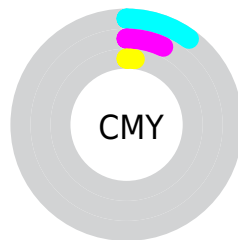
- Red (90%)
- Green (93%)
- Blue (98%)



- Red (90%)
- Yellow (92%)
- Blue (98%)



- Cyan (9%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (10%)
- Magenta (7%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7721, 0.2991, 0.3158 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 84.7721, 0.2991, 0.3158 by changing the saturation by 10% instead.



84.7721, 0.2991,  
0.3158

84.7721, 0.2991,  
0.3158

510.8737, 0.3052,  
0.3217

63.6531, 0.2977,  
0.3145

140.0547, 0.3012,  
0.3178

46.3698, 0.2961,  
0.3129

174.9871, 0.3020,  
0.3186

32.5377, 0.2940,  
0.3108

215.2928, 0.3027,  
0.3193

21.7725, 0.2914,  
0.3083

261.3561, 0.3033,  
0.3199

13.6899, 0.2878,  
0.3048

313.5614, 0.3039,  
0.3205

7.9053, 0.2829,  
0.3000

372.2932, 0.3044,

4.0344, 0.2756,

0.3209

0.2928

437.9358, 0.3048,  
0.3214

■ 1.6928, 0.2636,  
0.2810

■ 0.4190, 0.2174,  
0.2368

■ 84.7721, 0.2991,  
0.3158

■ 84.7721, 0.2991,  
0.3158

■ 72.6859, 0.2828,  
0.2990

■ 98.1686, 0.3146,  
0.3307

■ 61.8570, 0.2657,  
0.2804

■ 99.7434, 0.3150,  
0.3328

■ 52.2441, 0.2484,  
0.2601

■ 43.7994, 0.2313,  
0.2384

■ 36.4714, 0.2149,  
0.2156

■ 30.2043, 0.1999,  
0.1924

■ 24.9359, 0.1870,  
0.1696

■ 20.5955, 0.1767,  
0.1481

■ 17.0889, 0.1692,  
0.1285

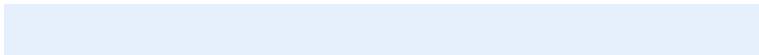
# Harmonies

## Analogous

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



84.7721, 0.2965, 0.3203



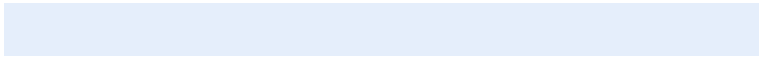
84.7721, 0.2991, 0.3158



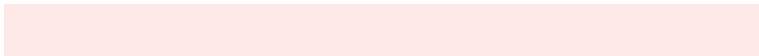
84.7721, 0.3053, 0.3148

# Triad

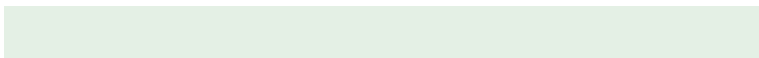
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7721, 0.2991, 0.3158



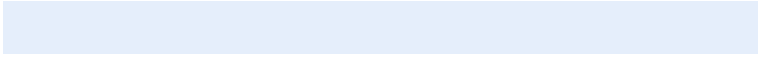
84.7721, 0.3274, 0.3305



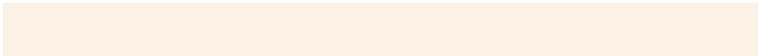
84.7721, 0.3117, 0.3409

# Complementary

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



84.7721, 0.2991, 0.3158



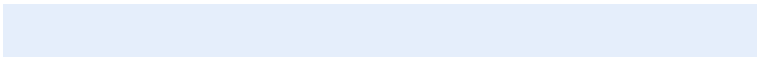
89.6206, 0.3267, 0.3419

# Split Complementary

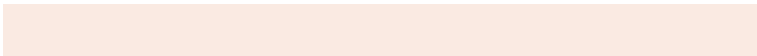
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7721, 0.3201, 0.3436



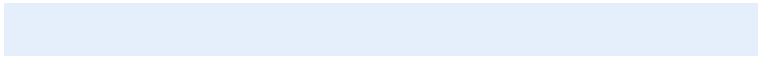
84.7721, 0.2991, 0.3158



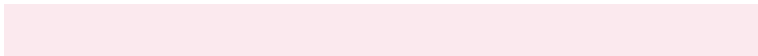
84.7721, 0.3292, 0.3374

# Square

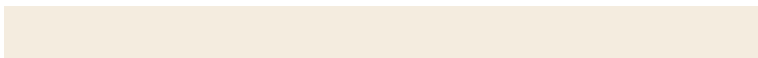
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7721, 0.2991, 0.3158



84.7721, 0.3217, 0.3233



84.7721, 0.3265, 0.3423

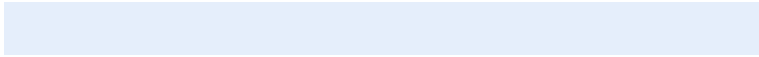


84.7721, 0.3038, 0.3348



# Rectangle

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



84.7721, 0.2991, 0.3158



84.7721, 0.3107, 0.3163



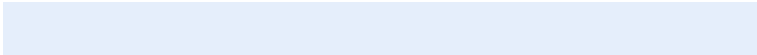
84.7721, 0.3265, 0.3423



84.7721, 0.3146, 0.3422

# Sweetspot

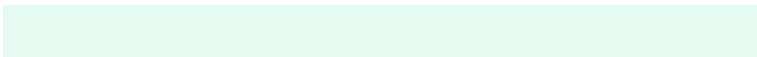
The Sweet Spot groups the original color and five complimentary colors.



84.7757, 0.2991, 0.3158



95.7373, 0.3081, 0.3246



92.0302, 0.3043, 0.3383



20.2524, 0.3069, 0.3234



0.0000, 0.0000, 0.0000

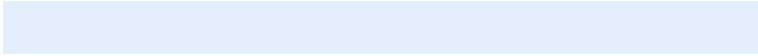


21.4041, 0.3127, 0.3290

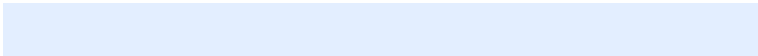


# Same Dimension

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



84.7757, 0.2991, 0.3158



84.9735, 0.2955, 0.3122



79.9420, 0.3003, 0.3065



17.8151, 0.2979, 0.3146



9.0512, 0.1693, 0.1293



1.0413, 0.1758, 0.1527



# Inverse Universe

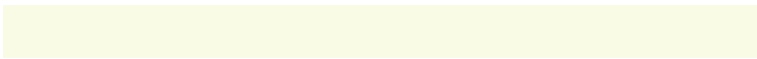
The Inverse Universe completely reimagines the original color for something new.



82.7007, 0.3221, 0.3200



82.3723, 0.3247, 0.3177



94.7989, 0.3246, 0.3507



17.3436, 0.3229, 0.3193



11.3246, 0.5336, 0.2713

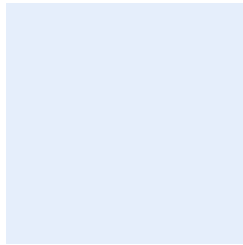


1.0694, 0.5025, 0.2542



# Previews

## White Background



This preview shows how the Yxy color 84.7721, 0.2991, 0.3158 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

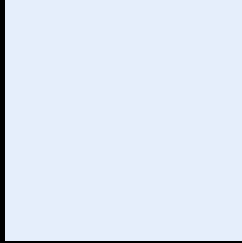
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.7721, 0.2991, 0.3158 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

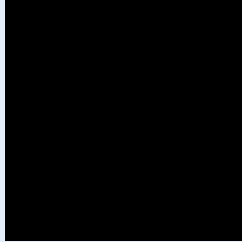
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

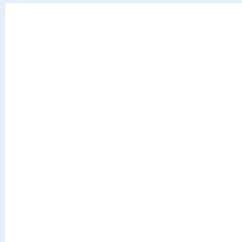
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.7721, 0.2991, 0.3158**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.7721, 0.2991, 0.3158.



This preview shows how white text looks on a background with the Yxy color 84.7721, 0.2991, 0.3158.

# 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

84.7721, 0.2991, 0.3158

### Protanopia

85.0076, 0.3061, 0.3160

### Deuteranopia

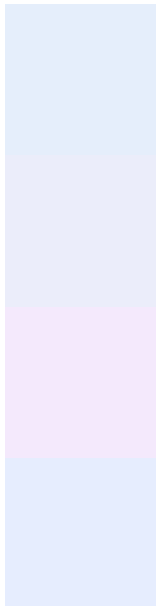
84.5681, 0.3138, 0.3066



## Tritanopia

84.6114, 0.2974, 0.3108

# Trichromacy



## Original Color

84.7721, 0.2991, 0.3158

## Protanomaly

85.1327, 0.3035, 0.3159

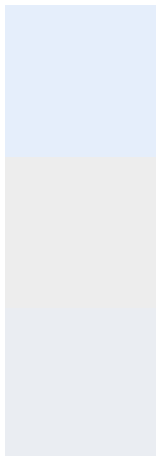
## Deuteranomaly

84.5392, 0.3083, 0.3102

## Tritanomaly

84.5471, 0.2980, 0.3118

# Monochromacy



## Original Color

84.7721, 0.2991, 0.3158

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.4716, 0.3077, 0.3239

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.7721, 0.2991, 0.3158 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(229, 238, 251)` looks like.

```
.text, #text, p{  
    color:rgb(229, 238, 251)  
}
```

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(229, 238, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 238, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 84.7721, 0.2991, 0.3158 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(229, 238, 251) }
```

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

```
.border{ border-color:rgb(229, 238, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 238, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 238, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 238, 251);  
box-shadow:4px 4px 4px 4px rgb(229, 238,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.7721, 0.2991, 0.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 238, 251) }
```

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

```
.background{ background-color: rgb(229,  
238, 251) }
```

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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