

# Converting Colors

$Y_{xy}(92.2774, 0.2808, 0.2863)$

Have a look what the booklet for  
Yxy(92.2774, 0.2808, 0.2863)  
contains.

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# Color

**Yxy(89.8485, 0.2993, 0.3190)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9F5FF
RGB	233, 245, 255
RGB Percent	91%, 96%, 100%
CMY	0.0864, 0.0392, 0.0000
CMYK	0.09, 0.04, 0.00, 0.00
HSL	207°, 100%, 96%
HSV	207°, 9%, 100%
XYZ	84.2999, 89.8485, 107.5084
YIQ	242.5520, -10.3620, 0.5660

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 241, 255
Decimal	15332863
CIE Lab	95.93, -2.08, -6.17
CIE LCh	96, 6.506, 251.378
Yxy	89.8485, 0.2993, 0.3190
Android (android.graphics.Color)	4293522943 (0xFFE9F5FF)
YUV	242.5520, 6.1369, -8.3771
Hunter-Lab	94.7884, -7.1313, -0.8944

# Details

The Yxy color **89.8485, 0.2993, 0.3190** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.2186, 0.3268, 0.3388**, and the grayscale version is **89.2090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.8195, 0.2964, 0.3175** is the 20% darker color. If you saturate the color by 10%, you get **79.0879, 0.2833, 0.3062**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

# Distribution



- Red (91%)
- Green (96%)
- Blue (100%)



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



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (4%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.8485, 0.2993, 0.3190 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 89.8485, 0.2993, 0.3190 by changing the saturation by 10% instead.




 89.8485, 0.2993,  
0.3190

 89.8485, 0.2993,  
0.3190


527.5379, 0.3053,  
0.3235

 67.8550, 0.2980,  
0.3180


147.1279, 0.3013,  
0.3205

 49.7798, 0.2964,  
0.3168


183.1827, 0.3021,  
0.3211

 35.2384, 0.2944,  
0.3153


224.6932, 0.3028,  
0.3216

 23.8466, 0.2919,  
0.3134

272.0441, 0.3034,  
0.3221

 15.2199, 0.2886,  
0.3109

325.6196, 0.3040,  
0.3225

 8.9738, 0.2840,  
0.3073

385.8041, 0.3044,

 4.7241, 0.2774,

0.3229

0.3021

452.9821, 0.3049,  
0.3232

■ 2.0863, 0.2667,  
0.2937

■ 0.6569, 0.2402,  
0.2750

■ 89.8485, 0.2993,  
0.3190

■ 89.8485, 0.2993,  
0.3190

■ 79.0879, 0.2833,  
0.3062

100.0000, 0.3127,  
0.3290

■ 69.3466, 0.2671,  
0.2921

■ 60.5916, 0.2511,  
0.2767

■ 52.7838, 0.2355,  
0.2602

■ 45.8809, 0.2210,  
0.2429

■ 39.8366, 0.2080,  
0.2251

■ 34.5990, 0.1969,  
0.2071

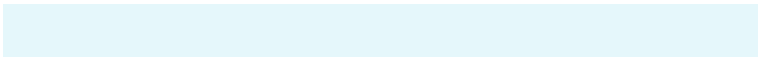
■ 30.1079, 0.1881,  
0.1896

■ 26.2814, 0.1815,  
0.1728

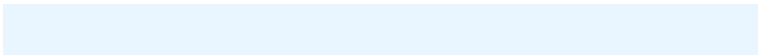
# Harmonies

## Analogous

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



89.8485, 0.2988, 0.3241



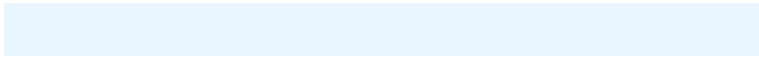
89.8485, 0.2993, 0.3190



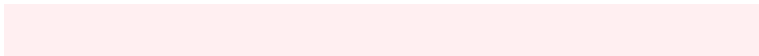
89.8485, 0.3033, 0.3166

# Triad

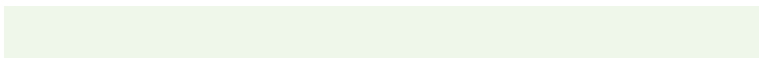
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.8485, 0.2993, 0.3190



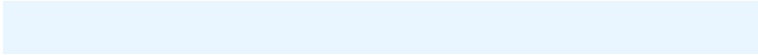
89.8485, 0.3235, 0.3272



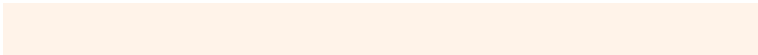
89.8485, 0.3154, 0.3409

# Complementary

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



89.8485, 0.2993, 0.3190



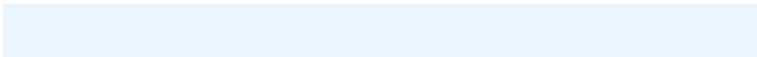
91.2186, 0.3268, 0.3388

# Split Complementary

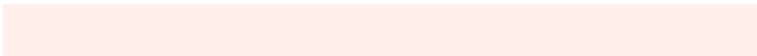
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8485, 0.3221, 0.3416



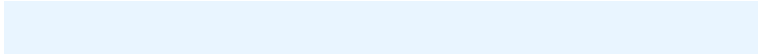
89.8485, 0.2993, 0.3190



89.8485, 0.3268, 0.3336

# Square

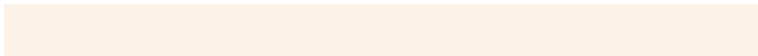
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



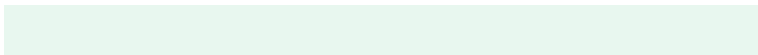
89.8485, 0.2993, 0.3190



89.8485, 0.3173, 0.3214



89.8485, 0.3263, 0.3389

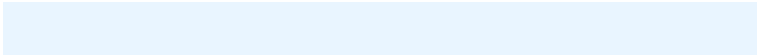


89.8485, 0.3081, 0.3369



# Rectangle

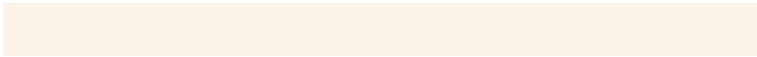
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.8485, 0.2993, 0.3190



89.8485, 0.3075, 0.3168



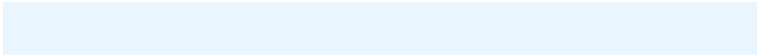
89.8485, 0.3263, 0.3389



89.8485, 0.3178, 0.3415

# Sweetspot

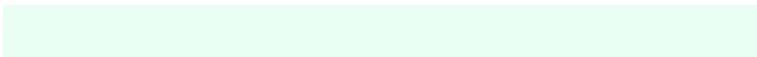
The Sweet Spot groups the original color and five complimentary colors.



89.8521, 0.2993, 0.3190



96.3849, 0.3081, 0.3256



95.3032, 0.3061, 0.3411



20.4270, 0.3069, 0.3247



0.0000, 0.0000, 0.0000

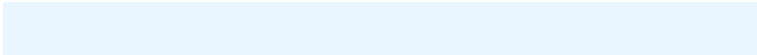


21.4041, 0.3127, 0.3290

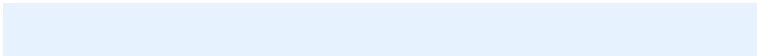


# Same Dimension

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



89.8521, 0.2993, 0.3190



88.3246, 0.2972, 0.3173



83.4271, 0.2993, 0.3079



19.0236, 0.2979, 0.3180



13.7826, 0.1815, 0.1733



1.5604, 0.1868, 0.1924



# Inverse Universe

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



86.1160, 0.3200, 0.3173



84.0733, 0.3213, 0.3154



97.9610, 0.3257, 0.3493



18.1532, 0.3208, 0.3161



12.1193, 0.4767, 0.2400

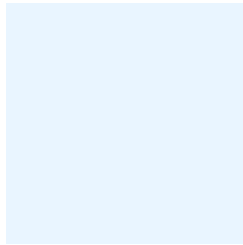


1.2021, 0.4540, 0.2274



# Previews

## White Background



This preview shows how the Yxy color 89.8485, 0.2993, 0.3190 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

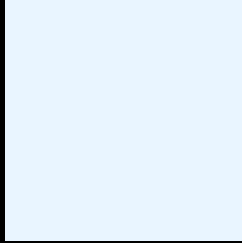
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.8485, 0.2993, 0.3190 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

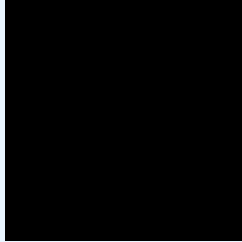
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

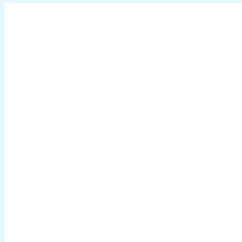
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.8485, 0.2993, 0.3190**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.8485, 0.2993, 0.3190.



This preview shows how white text looks on a background with the Yxy color 89.8485, 0.2993, 0.3190.

# 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

89.8485, 0.2993, 0.3190

### Protanopia

89.8292, 0.3074, 0.3182

### Deuteranopia

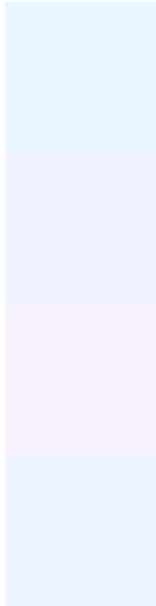
89.5009, 0.3147, 0.3146



## Tritanopia

89.4983, 0.3024, 0.3171

# Trichromacy



## Original Color

89.8485, 0.2993, 0.3190

## Protanomaly

89.7822, 0.3043, 0.3181

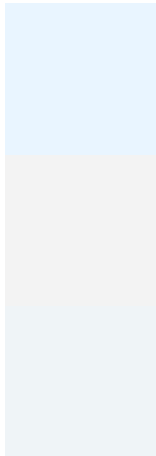
## Deuteranomaly

89.8405, 0.3088, 0.3163

## Tritanomaly

89.7542, 0.3012, 0.3181

# Monochromacy



## Original Color

89.8485, 0.2993, 0.3190

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

89.7675, 0.3077, 0.3260

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.8485, 0.2993, 0.3190 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, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 245, 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(233, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 245, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 89.8485, 0.2993, 0.3190 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, 245, 255) }
```

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

```
.border{ border-color:rgb(233, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 245,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.8485, 0.2993, 0.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 245, 255) }
```

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

```
.background{ background-color: rgb(233,  
245, 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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