

Converting Colors

$Yxy(89.6980, 0.2994, 0.3187)$

Have a look what the booklet for
Yxy(89.6980, 0.2994, 0.3187)
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

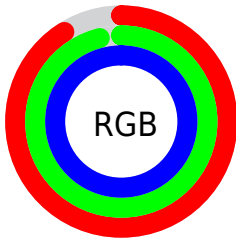
Format	Color
R _Y B	233, 241, 255
Decimal	15332863
CIE _{Lab}	95.93, -2.08, -6.17
CIE _{LCh}	96, 6.506, 251.378
Y _{xy}	89.8485, 0.2993, 0.3190
Android (android.graphics.Color)	4293522943 (0xFFE9F5FF)
Y _{UV}	242.5520, 6.1369, -8.3771
Hunter-Lab	94.7884, -7.1313, -0.8944

Details

The Yxy color **89.8485, 0.2993, 0.3190** is a light color, and the websafe version is hex **FFFFFF**. 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**.

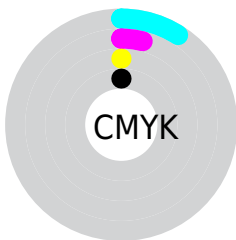
Distribution



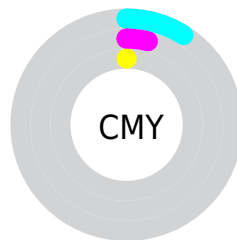
- Red (91%)
- Green (96%)
- Blue (100%)



- 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

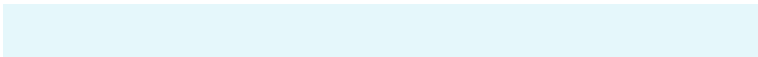
■ 30.1079, 0.1881,
0.1896

■ 26.2814, 0.1815,
0.1728

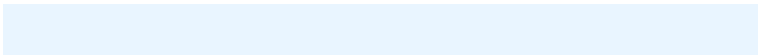
Harmonies

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



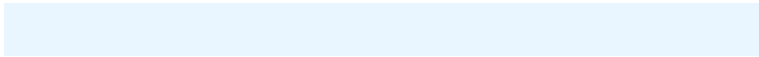
89.8485, 0.2993, 0.3190



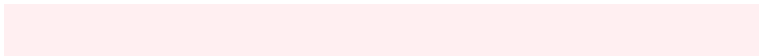
89.8485, 0.3033, 0.3166

Triad

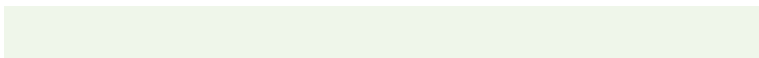
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.8485, 0.2993, 0.3190



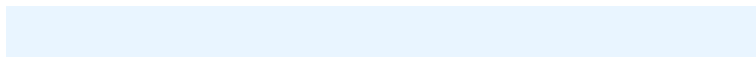
89.8485, 0.3235, 0.3272



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



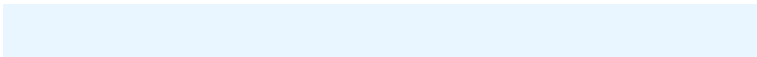
91.2186, 0.3268, 0.3388

Split Complementary

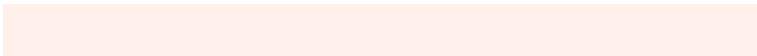
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8485, 0.3221, 0.3416



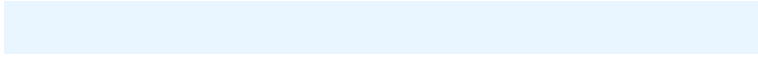
89.8485, 0.2993, 0.3190



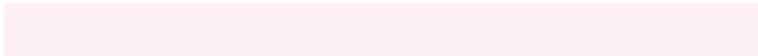
89.8485, 0.3268, 0.3336

Square

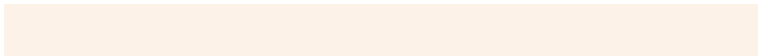
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.8485, 0.2993, 0.3190



89.8485, 0.3173, 0.3214



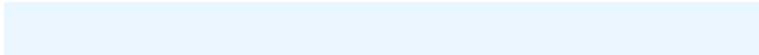
89.8485, 0.3263, 0.3389



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



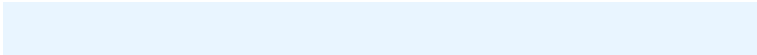
89.8485, 0.3263, 0.3389



89.8485, 0.3178, 0.3415

Sweetspot

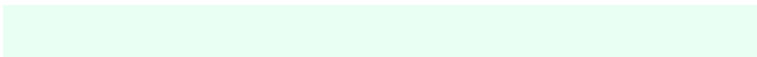
The Sweet Spot groups the original color and five complimentary colors.



89.8521, 0.2993, 0.3190



96.3849, 0.3081, 0.3256



95.3032, 0.3061, 0.3411



20.4270, 0.3069, 0.3247



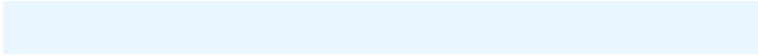
0.0000, 0.0000, 0.0000



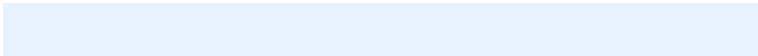
21.4041, 0.3127, 0.3290

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



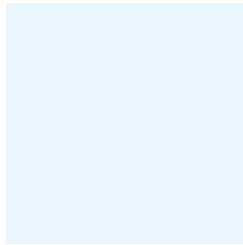
12.1193, 0.4767, 0.2400



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

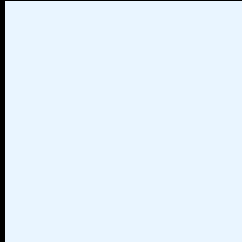
Large Text (above 18pt) WCAG AA × Fail

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

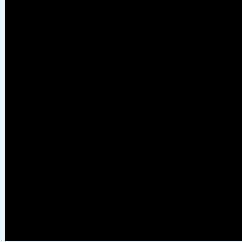
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

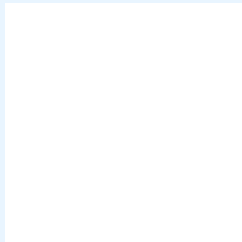
If you want to check with other color combinations, try the [Color Contrast Checker](#).

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

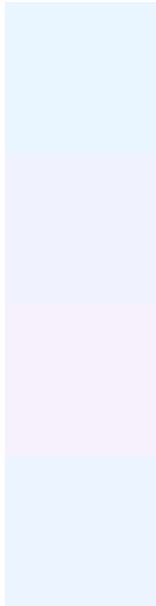
89.5009, 0.3147, 0.3146



Tritanopia

89.4983, 0.3024, 0.3171

Trichromacy



Original Color

89.8485, 0.2993, 0.3190

Protanomaly

89.7822, 0.3043, 0.3181

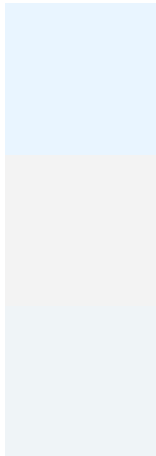
Deuteranomaly

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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