

Converting Colors

$Y_{xy}(100.0000, 0.2389, 0.2167)$

Have a look what the booklet for
Yxy(100.0000, 0.2389, 0.2167)
contains.

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Color

Yxy(89.1828, 0.2969, 0.3189)

Conversions

Conversions Part 1

Format	Color
Hex	E5F5FF
RGB	229, 245, 255
RGB Percent	90%, 96%, 100%
CMY	0.1017, 0.0393, 0.0000
CMYK	0.10, 0.04, 0.00, 0.00
HSL	203°, 100%, 95%
HSV	203°, 10%, 100%
XYZ	83.0303, 89.1828, 107.4444
YIQ	241.3560, -12.7460, -0.2820

Conversions

Conversions Part 2

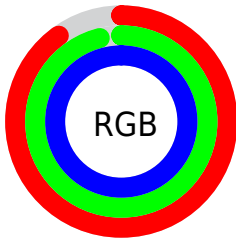
Format	Color
R _Y B	229, 239, 255
Decimal	15070719
CIE Lab	95.66, -3.31, -6.60
CIE LCh	96, 7.385, 243.401
Yxy	89.1828, 0.2969, 0.3189
Android (android.graphics.Color)	4293260799 (0xFFE5F5FF)
YUV	241.3560, 6.7265, -10.8362
Hunter-Lab	94.4366, -8.3238, -1.3510

Details

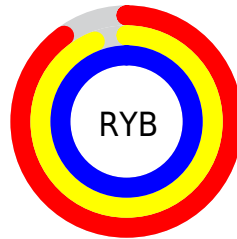
The Yxy color **89.1828, 0.2969, 0.3189** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.6991, 0.3297, 0.3389**, and the grayscale version is **88.2214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3566, 0.2933, 0.3173** is the 20% darker color. If you saturate the color by 10%, you get **79.4954, 0.2811, 0.3079**, and if you desaturate by 10%, it is **99.8107, 0.3125, 0.3288**.

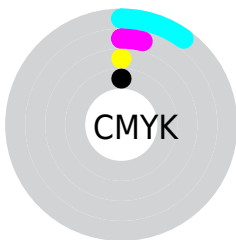
Distribution



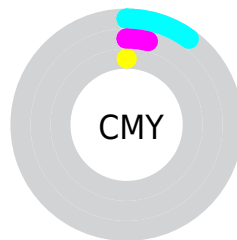
- Red (90%)
- Green (96%)
- Blue (100%)



- Red (90%)
- Yellow (94%)
- Blue (100%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (10%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.1828, 0.2969, 0.3189 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 89.1828, 0.2969, 0.3189 by changing the saturation by 10% instead.


 89.1828, 0.2969,
0.3189

 89.1828, 0.2969,
0.3189


525.3689, 0.3039,
0.3234

 67.3031, 0.2954,
0.3179


146.2027, 0.2993,
0.3205

 49.3310, 0.2935,
0.3167


182.1117, 0.3002,
0.3211

 34.8821, 0.2912,
0.3151


223.4659, 0.3010,
0.3216

 23.5721, 0.2882,
0.3132

270.6498, 0.3018,
0.3221

 15.0165, 0.2843,
0.3106

324.0476, 0.3024,
0.3225

 8.8310, 0.2789,
0.3069

384.0438, 0.3030,

 4.6311, 0.2710,

0.3228

0.3015

451.0228, 0.3035,
0.3232

■ 2.0325, 0.2584,
0.2927

■ 0.6262, 0.2241,
0.2728

■ 89.1828, 0.2969,
0.3189

■ 89.1828, 0.2969,
0.3189

■ 79.4954, 0.2811,
0.3079

99.8107, 0.3125,
0.3288

■ 70.7057, 0.2653,
0.2958

100.0000, 0.3127,
0.3290

■ 62.7837, 0.2500,
0.2827

■ 55.6932, 0.2354,
0.2687

■ 49.3949, 0.2220,
0.2541

■ 43.8451, 0.2103,
0.2390

■ 38.9947, 0.2005,
0.2238

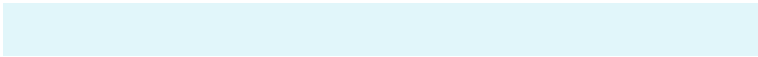
■ 34.7859, 0.1929,
0.2089

■ 31.1853, 0.1874,
0.1946

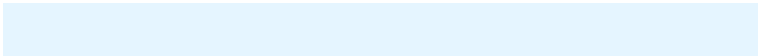
Harmonies

Analogous

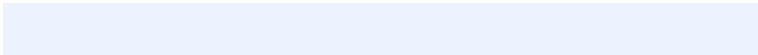
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1828, 0.2975, 0.3253



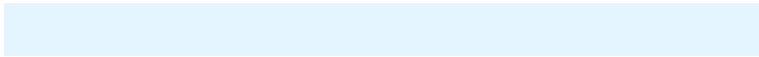
89.1828, 0.2969, 0.3189



89.1828, 0.3005, 0.3153

Triad

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



89.1828, 0.2969, 0.3189



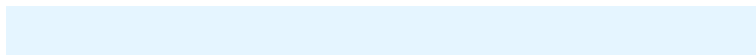
89.1828, 0.3234, 0.3251



89.1828, 0.3180, 0.3432

Complementary

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



89.1828, 0.2969, 0.3189



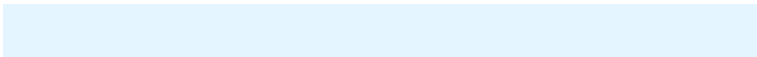
88.6991, 0.3297, 0.3389

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.



89.1828, 0.3250, 0.3429



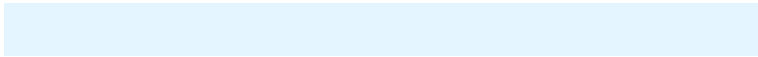
89.1828, 0.2969, 0.3189



89.1828, 0.3282, 0.3324

Square

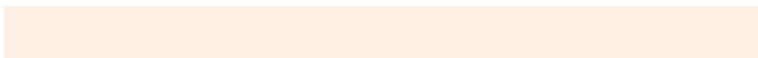
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



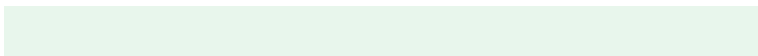
89.1828, 0.2969, 0.3189



89.1828, 0.3157, 0.3189



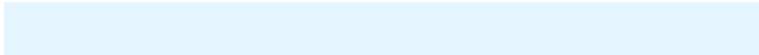
89.1828, 0.3288, 0.3389



89.1828, 0.3096, 0.3395

Rectangle

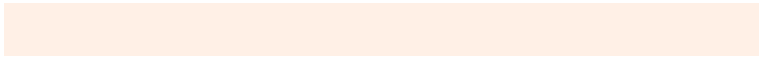
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.1828, 0.2969, 0.3189



89.1828, 0.3048, 0.3149



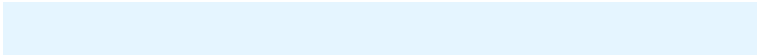
89.1828, 0.3288, 0.3389



89.1828, 0.3206, 0.3435

Sweetspot

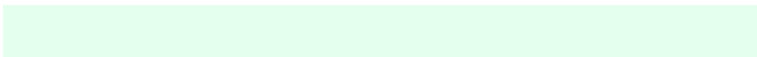
The Sweet Spot groups the original color and five complimentary colors.



89.1865, 0.2969, 0.3189



96.7081, 0.3081, 0.3261



94.4212, 0.3059, 0.3451



20.5143, 0.3068, 0.3254



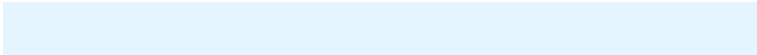
0.0000, 0.0000, 0.0000



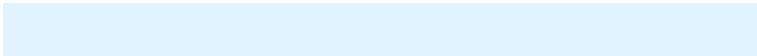
21.4041, 0.3127, 0.3290

Same Dimension

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



89.1865, 0.2969, 0.3189



87.3446, 0.2940, 0.3170



81.6534, 0.2968, 0.3057



19.2347, 0.2979, 0.3196



16.5933, 0.1881, 0.1970



1.8276, 0.1927, 0.2136

Inverse Universe

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



83.9268, 0.3203, 0.3135



81.2690, 0.3218, 0.3106



96.5255, 0.3282, 0.3513



18.1746, 0.3198, 0.3145



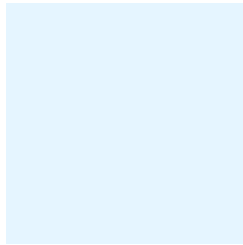
12.4031, 0.4487, 0.2246



1.2290, 0.4301, 0.2143

Previews

White Background



This preview shows how the Yxy color 89.1828, 0.2969, 0.3189 looks on a white background.

Color Contrast Check

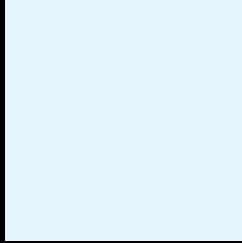
Large Text (above 18pt) WCAG AA × Fail

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 89.1828, 0.2969, 0.3189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

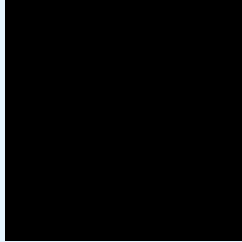
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

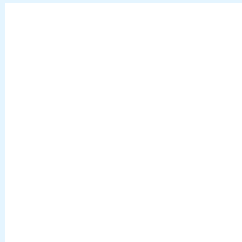
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.1828, 0.2969, 0.3189

Background



This preview shows how black text looks on a background with the Yxy color 89.1828, 0.2969, 0.3189.



This preview shows how white text looks on a background with the Yxy color 89.1828, 0.2969, 0.3189.

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

89.1828, 0.2969, 0.3189

Protanopia

89.2355, 0.3075, 0.3172

Deuteranopia

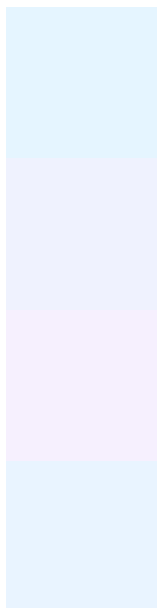
88.9202, 0.3148, 0.3136



Tritanopia

88.9834, 0.3006, 0.3170

Trichromacy



Original Color

89.1828, 0.2969, 0.3189

Protanomaly

89.0107, 0.3037, 0.3171

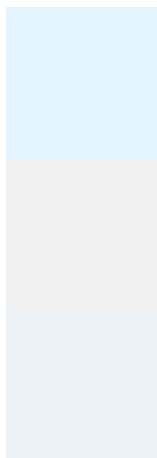
Deuteranomaly

89.0688, 0.3082, 0.3153

Tritanomaly

89.2450, 0.2993, 0.3180

Monochromacy



Original Color

89.1828, 0.2969, 0.3189

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.1626, 0.3071, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.1828, 0.2969, 0.3189 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, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 89.1828, 0.2969, 0.3189 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, 245, 255) }
```

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

```
.border{ border-color:rgb(229, 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(229, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1828, 0.2969, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 245, 255) }
```

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

```
.background{ background-color: rgb(229,  
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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