

Converting Colors

Yxy(86.8946, 0.2998, 0.3218)

Have a look what the booklet for
Yxy(86.8946, 0.2998, 0.3218)
contains.

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Color

Yxy(86.8378, 0.2996, 0.3219)

Conversions

Conversions Part 1

Format	Color
Hex	E4F2F9
RGB	228, 242, 249
RGB Percent	89%, 95%, 98%
CMY	0.1062, 0.0509, 0.0236
CMYK	0.08, 0.03, 0.00, 0.02
HSL	200°, 64%, 94%
HSV	200°, 8%, 98%
XYZ	80.8220, 86.8378, 102.1066
YIQ	238.6120, -10.5910, -0.7910

Conversions

Conversions Part 2

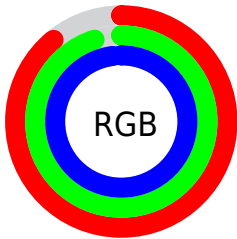
Format	Color
R _Y B	228, 236, 249
Decimal	15004409
CIE Lab	94.67, -3.33, -4.95
CIE LCh	95, 5.966, 236.111
Yxy	86.8378, 0.2996, 0.3219
Android (android.graphics.Color)	4293194489 (0xFFE4F2F9)
YUV	238.6120, 5.1213, -9.3067
Hunter-Lab	93.1868, -8.2618, 0.2656

Details

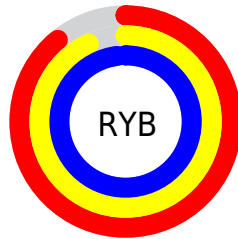
The Yxy color **86.8378, 0.2996, 0.3219** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.0689, 0.3267, 0.3360**, and the grayscale version is **85.9563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8523, 0.2969, 0.3198** is the 20% darker color. If you saturate the color by 10%, you get **78.2810, 0.2840, 0.3127**, and if you desaturate by 10%, it is **96.2077, 0.3151, 0.3302**.

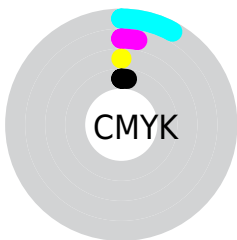
Distribution



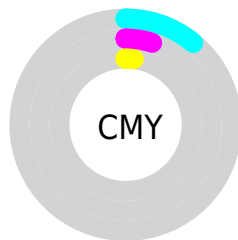
- Red (89%)
- Green (95%)
- Blue (98%)



- Red (89%)
- Yellow (93%)
- Blue (98%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (11%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8378, 0.2996, 0.3219 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 86.8378, 0.2996, 0.3219 by changing the saturation by 10% instead.

86.8378, 0.2996,
0.3219

86.8378, 0.2996,
0.3219

517.6897, 0.3055,
0.3251

65.3610, 0.2983,
0.3212

142.9380, 0.3016,
0.3230

47.7539, 0.2967,
0.3203

178.3303, 0.3024,
0.3234

33.6320, 0.2948,
0.3192

219.1297, 0.3031,
0.3238

22.6110, 0.2923,
0.3178

265.7208, 0.3037,
0.3241

14.3066, 0.2889,
0.3159

318.4880, 0.3042,
0.3244

8.3342, 0.2843,
0.3132

377.8156, 0.3047,

4.3095, 0.2775,

0.3247

0.3093

444.0881, 0.3051,
0.3249

■ 1.8482, 0.2664,
0.3026

■ 0.5169, 0.2234,
0.2815

■ 86.8378, 0.2996,
0.3219

■ 86.8378, 0.2996,
0.3219

■ 78.2810, 0.2840,
0.3127

■ 96.2077, 0.3151,
0.3302

■ 70.4985, 0.2686,
0.3026

■ 99.6183, 0.3162,
0.3348

■ 63.4643, 0.2536,
0.2917

■ 57.1465, 0.2396,
0.2800

■ 51.5105, 0.2267,
0.2678

■ 46.5179, 0.2155,
0.2551

■ 42.1255, 0.2063,
0.2423

■ 38.2826, 0.1991,
0.2296

■ 34.9188, 0.1939,
0.2172

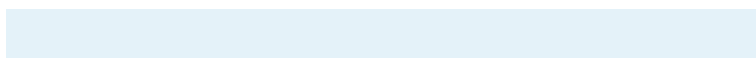
Harmonies

Analogous

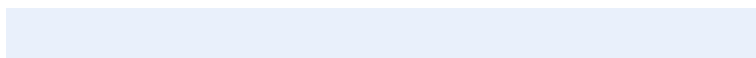
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8378, 0.3009, 0.3275



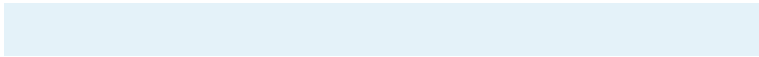
86.8378, 0.2996, 0.3219



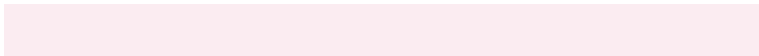
86.8378, 0.3017, 0.3183

Triad

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



86.8378, 0.2996, 0.3219



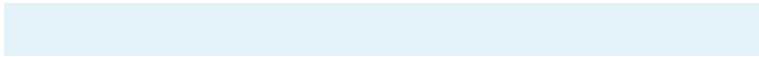
86.8378, 0.3201, 0.3244



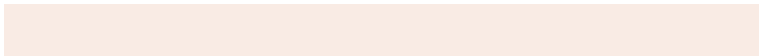
86.8378, 0.3186, 0.3408

Complementary

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



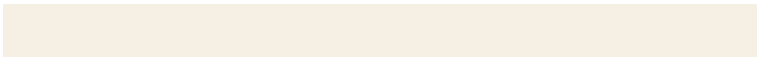
86.8378, 0.2996, 0.3219



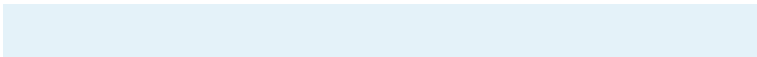
85.0689, 0.3267, 0.3360

Split Complementary

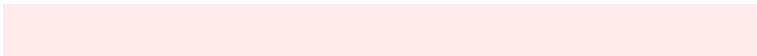
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8378, 0.3238, 0.3398



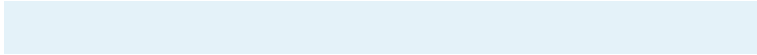
86.8378, 0.2996, 0.3219



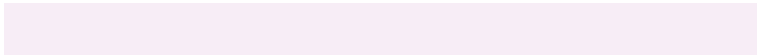
86.8378, 0.3247, 0.3303

Square

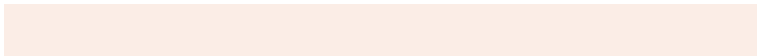
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8378, 0.2996, 0.3219



86.8378, 0.3135, 0.3198



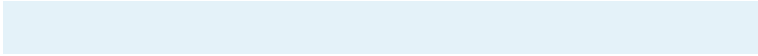
86.8378, 0.3260, 0.3359



86.8378, 0.3118, 0.3385

Rectangle

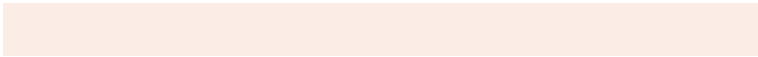
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.8378, 0.2996, 0.3219



86.8378, 0.3049, 0.3174



86.8378, 0.3260, 0.3359



86.8378, 0.3206, 0.3408

Sweetspot

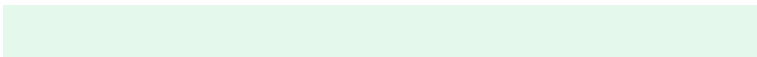
The Sweet Spot groups the original color and five complimentary colors.



86.8415, 0.2996, 0.3219



96.9788, 0.3081, 0.3266



90.1928, 0.3078, 0.3437



20.5875, 0.3068, 0.3259



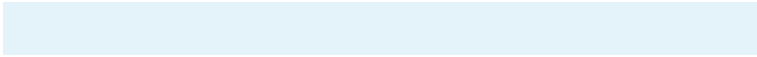
0.0000, 0.0000, 0.0000



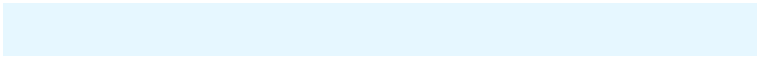
21.4041, 0.3127, 0.3290

Same Dimension

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



86.8415, 0.2996, 0.3219



90.2319, 0.2972, 0.3205



80.9041, 0.2996, 0.3113



18.5874, 0.2980, 0.3210



18.7039, 0.1937, 0.2173



1.9262, 0.1978, 0.2322

Inverse Universe

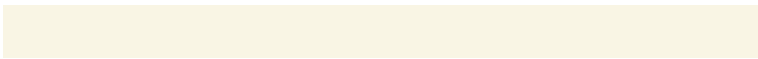
The Inverse Universe completely reimagines the original color for something new.



81.9871, 0.3182, 0.3150



84.2659, 0.3192, 0.3124



91.1087, 0.3257, 0.3461



17.4215, 0.3189, 0.3132



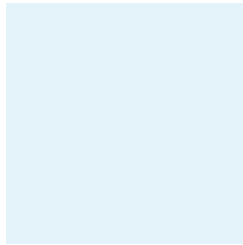
12.2991, 0.4262, 0.2121



1.1587, 0.4104, 0.2034

Previews

White Background



This preview shows how the Yxy color 86.8378, 0.2996, 0.3219 looks on a white background.

Color Contrast Check

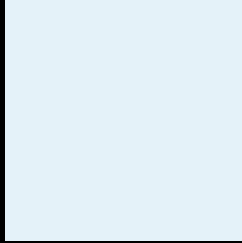
Large Text (above 18pt) WCAG AA × Fail

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 86.8378, 0.2996, 0.3219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

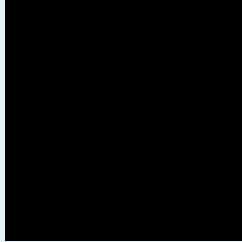
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

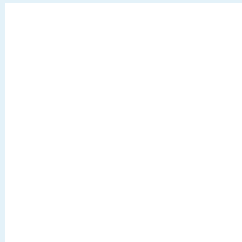
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8378, 0.2996, 0.3219

Background



This preview shows how black text looks on a background with the Yxy color 86.8378, 0.2996, 0.3219.

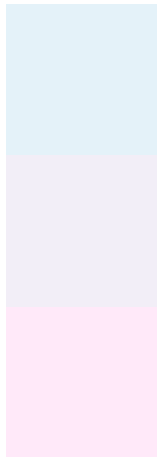


This preview shows how white text looks on a background with the Yxy color 86.8378, 0.2996, 0.3219.

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

86.8378, 0.2996, 0.3219

Protanopia

86.7417, 0.3099, 0.3200

Deuteranopia

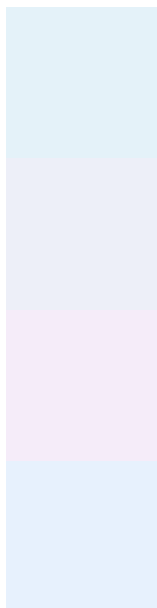
86.3774, 0.3175, 0.3135



Tritanopia

86.6960, 0.2987, 0.3139

Trichromacy



Original Color

86.8378, 0.2996, 0.3219

Protanomaly

86.5148, 0.3060, 0.3200

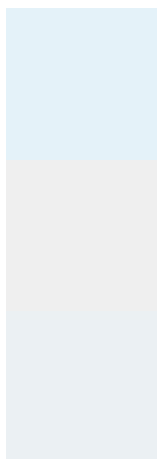
Deuteranomaly

86.2429, 0.3107, 0.3161

Tritanomaly

86.9914, 0.2992, 0.3169

Monochromacy



Original Color

86.8378, 0.2996, 0.3219

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.4534, 0.3076, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8378, 0.2996, 0.3219 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(228, 242, 249)` looks like.

```
.text, #text, p{  
    color:rgb(228, 242, 249)  
}
```

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(228, 242, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 242, 249) }
```

Border

The CSS property to change the border of an element to Yxy 86.8378, 0.2996, 0.3219 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(228, 242, 249) }
```

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

```
.border{ border-color:rgb(228, 242, 249) }
```

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

Here you see how a box with a 4 pixel rgb(228, 242, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 242, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 242, 249);  
box-shadow:4px 4px 4px 4px rgb(228, 242,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8378, 0.2996, 0.3219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 242, 249) }
```

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

```
.background{ background-color: rgb(228,  
242, 249) }
```

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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