

Converting Colors

$Yxy(86.6380, 0.2973, 0.3198)$

Have a look what the booklet for
Yxy(86.6380, 0.2973, 0.3198)
contains.

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Color

Yxy(86.6380, 0.2973, 0.3198)

Conversions

Conversions Part 1

Format	Color
Hex	E2F2FB
RGB	226, 242, 251
RGB Percent	89%, 95%, 98%
CMY	0.1135, 0.0510, 0.0157
CMYK	0.10, 0.04, 0.00, 0.02
HSL	202°, 76%, 94%
HSV	202°, 10%, 98%
XYZ	80.5425, 86.6380, 103.7326
YIQ	238.2420, -12.4250, -0.5930

Conversions

Conversions Part 2

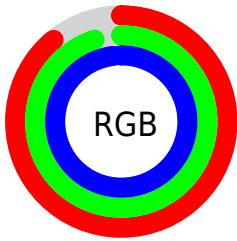
Format	Color
R_{YB}	226, 236, 251
Decimal	14873339
CIE _{Lab}	94.58, -3.51, -6.13
CIE _{LCh}	95, 7.065, 240.235
Yxy	86.6380, 0.2973, 0.3198
Android (android.graphics.Color)	4293063419 (0xFFE2F2FB)
YUV	238.2420, 6.2897, -10.7362
Hunter-Lab	93.0795, -8.4317, -0.9201

Details

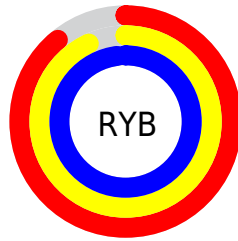
The Yxy color **86.6380, 0.2973, 0.3198** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.4569, 0.3293, 0.3380**, and the grayscale version is **85.6643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7159, 0.2939, 0.3172** is the 20% darker color. If you saturate the color by 10%, you get **77.6130, 0.2816, 0.3095**, and if you desaturate by 10%, it is **96.5317, 0.3128, 0.3291**.

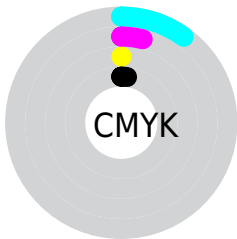
Distribution



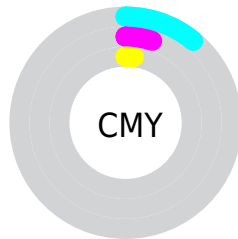
- Red (89%)
- Green (95%)
- Blue (98%)



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



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6380, 0.2973, 0.3198 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 86.6380, 0.2973, 0.3198 by changing the saturation by 10% instead.


 86.6380, 0.2973,
0.3198

 86.6380, 0.2973,
0.3198


517.0326, 0.3042,
0.3240

 65.1957, 0.2958,
0.3189


142.6595, 0.2996,
0.3212

 47.6198, 0.2939,
0.3177


178.0074, 0.3006,
0.3218

 33.5259, 0.2916,
0.3163


218.7593, 0.3014,
0.3223

 22.5296, 0.2887,
0.3145

265.2996, 0.3021,
0.3227

 14.2466, 0.2848,
0.3120

318.0127, 0.3027,
0.3231

 8.2923, 0.2794,
0.3086

377.2830, 0.3032,

 4.2826, 0.2714,

0.3234

443.4948, 0.3037,
0.3237

0.3035

1.8329, 0.2585,
0.2949

0.5075, 0.2104,
0.2691

86.6380, 0.2973,
0.3198

86.6380, 0.2973,
0.3198

77.6130, 0.2816,
0.3095

96.5317, 0.3128,
0.3291

69.4161, 0.2660,
0.2983

99.7442, 0.3150,
0.3328

62.0197, 0.2509,
0.2861

55.3897, 0.2366,
0.2731

■ 49.4894, 0.2235,
0.2596

■ 44.2779, 0.2121,
0.2456

■ 39.7092, 0.2027,
0.2314

■ 35.7290, 0.1954,
0.2175

■ 32.2513, 0.1900,
0.2039

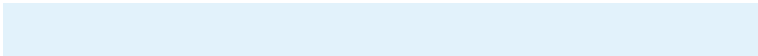
Harmonies

Analogous

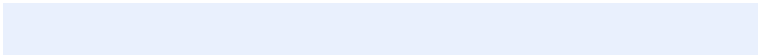
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6380, 0.2983, 0.3262



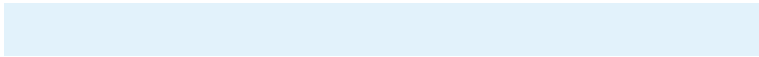
86.6380, 0.2973, 0.3198



86.6380, 0.3004, 0.3160

Triad

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



86.6380, 0.2973, 0.3198



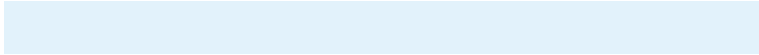
86.6380, 0.3223, 0.3245



86.6380, 0.3186, 0.3428

Complementary

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



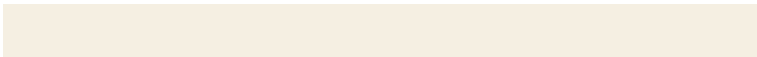
86.6380, 0.2973, 0.3198



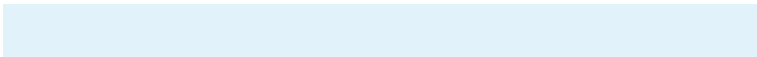
85.4569, 0.3293, 0.3380

Split Complementary

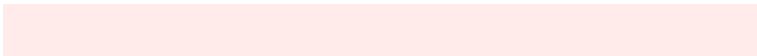
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6380, 0.3252, 0.3422



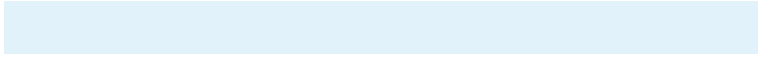
86.6380, 0.2973, 0.3198



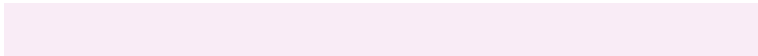
86.6380, 0.3274, 0.3315

Square

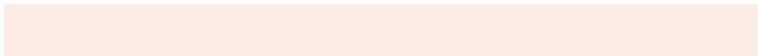
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



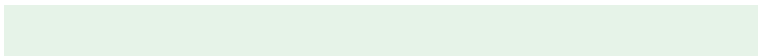
86.6380, 0.2973, 0.3198



86.6380, 0.3148, 0.3187



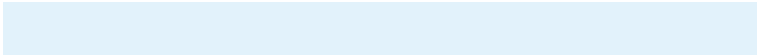
86.6380, 0.3284, 0.3380



86.6380, 0.3105, 0.3397

Rectangle

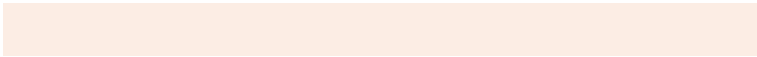
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.6380, 0.2973, 0.3198



86.6380, 0.3043, 0.3153



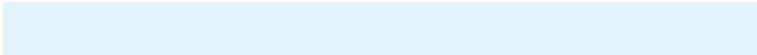
86.6380, 0.3284, 0.3380



86.6380, 0.3211, 0.3430

Sweetspot

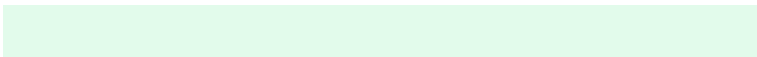
The Sweet Spot groups the original color and five complimentary colors.



86.6416, 0.2973, 0.3198



96.8279, 0.3081, 0.3263



91.1523, 0.3065, 0.3456



20.5467, 0.3068, 0.3256



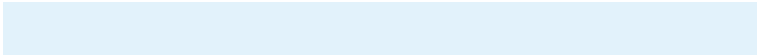
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



86.6416, 0.2973, 0.3198



87.8024, 0.2940, 0.3177



79.6302, 0.2972, 0.3072



18.4925, 0.2980, 0.3202



17.2283, 0.1906, 0.2060



1.7967, 0.1951, 0.2224

Inverse Universe

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



81.3472, 0.3197, 0.3132



81.3152, 0.3213, 0.3098



92.6758, 0.3279, 0.3499



17.4119, 0.3194, 0.3140



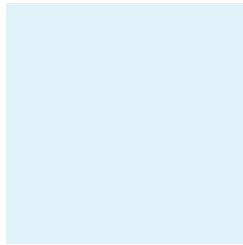
12.1501, 0.4385, 0.2189



1.1456, 0.4207, 0.2091

Previews

White Background



This preview shows how the Yxy color 86.6380, 0.2973, 0.3198 looks on a white background.

Color Contrast Check

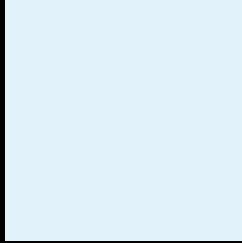
Large Text (above 18pt) WCAG AA × Fail

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 86.6380, 0.2973, 0.3198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

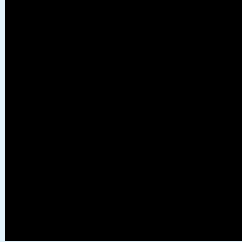
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

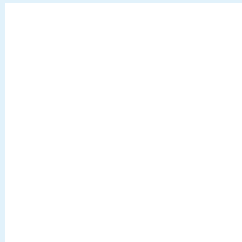
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.6380, 0.2973, 0.3198

Background



This preview shows how black text looks on a background with the Yxy color 86.6380, 0.2973, 0.3198.

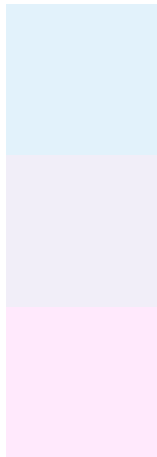


This preview shows how white text looks on a background with the Yxy color 86.6380, 0.2973, 0.3198.

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

86.6380, 0.2973, 0.3198

Protanopia

86.6272, 0.3086, 0.3190

Deuteranopia

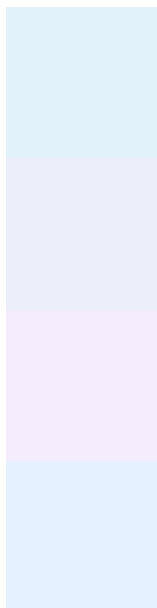
86.5661, 0.3156, 0.3106



Tritanopia

86.3632, 0.2974, 0.3139

Trichromacy



Original Color

86.6380, 0.2973, 0.3198

Protanomaly

86.4054, 0.3047, 0.3189

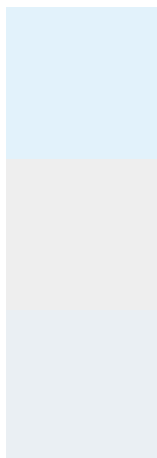
Deuteranomaly

86.2523, 0.3082, 0.3132

Tritanomaly

86.7244, 0.2974, 0.3158

Monochromacy



Original Color

86.6380, 0.2973, 0.3198

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.6965, 0.3070, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6380, 0.2973, 0.3198 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(226, 242, 251)` looks like.

```
.text, #text, p{  
    color:rgb(226, 242, 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(226, 242, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 242, 251) }
```

Border

The CSS property to change the border of an element to Yxy 86.6380, 0.2973, 0.3198 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(226, 242, 251) }
```

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

```
.border{ border-color:rgb(226, 242, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 242, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 242, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 242, 251);  
box-shadow:4px 4px 4px 4px rgb(226, 242,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6380, 0.2973, 0.3198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 242, 251) }
```

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

```
.background{ background-color: rgb(226,  
242, 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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