

Converting Colors

$Yxy(87.8082, 0.2970, 0.3219)$

Have a look what the booklet for
Yxy(87.8082, 0.2970, 0.3219)
contains.

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Color

Yxy(87.8352, 0.2973, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	E2F4FB
RGB	226, 244, 251
RGB Percent	89%, 96%, 98%
CMY	0.1134, 0.0432, 0.0156
CMYK	0.10, 0.03, 0.00, 0.02
HSL	197°, 76%, 94%
HSV	197°, 10%, 98%
XYZ	81.1479, 87.8352, 103.9665
YIQ	239.4160, -12.9750, -1.6390

Conversions

Conversions Part 2

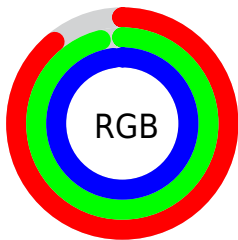
Format	Color
R _Y B	226, 236, 251
Decimal	14873851
CIE Lab	95.09, -4.51, -5.41
CIE LCh	95, 7.040, 230.164
Yxy	87.8352, 0.2973, 0.3218
Android (android.graphics.Color)	4293063931 (0xFFE2F4FB)
YUV	239.4160, 5.7109, -11.7658
Hunter-Lab	93.7204, -9.4564, -0.1676

Details

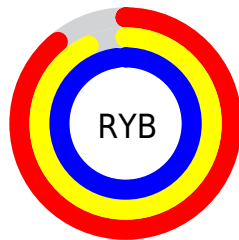
The Yxy color **87.8352, 0.2973, 0.3218** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.3568, 0.3295, 0.3361**, and the grayscale version is **86.6319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.5645, 0.2939, 0.3198** is the 20% darker color. If you saturate the color by 10%, you get **79.8877, 0.2819, 0.3138**, and if you desaturate by 10%, it is **96.5483, 0.3128, 0.3290**.

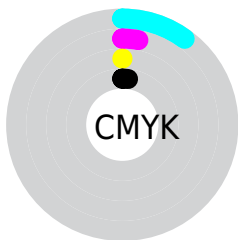
Distribution



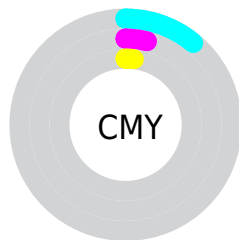
- Red (89%)
- Green (96%)
- Blue (98%)



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



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (11%)
- Magenta (4%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.8352, 0.2973, 0.3218 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 87.8352, 0.2973, 0.3218 by changing the saturation by 10% instead.

87.8352, 0.2973,
0.3218

87.8352, 0.2973,
0.3218

520.9634, 0.3042,
0.3251

66.1866, 0.2958,
0.3211

144.3277, 0.2996,
0.3229

48.4239, 0.2940,
0.3202

179.9404, 0.3006,
0.3234

34.1627, 0.2917,
0.3191

220.9765, 0.3014,
0.3237

23.0186, 0.2887,
0.3176

267.8206, 0.3021,
0.3241

14.6073, 0.2849,
0.3157

320.8569, 0.3027,
0.3244

8.5442, 0.2796,
0.3130

380.4699, 0.3032,

4.4451, 0.2717,

0.3246

0.3089

447.0439, 0.3037,
0.3249

■ 1.9255, 0.2591,
0.3021

■ 0.5637, 0.2148,
0.2845

■ 87.8352, 0.2973,
0.3218

■ 87.8352, 0.2973,
0.3218

■ 79.8877, 0.2819,
0.3138

■ 96.5483, 0.3128,
0.3290

■ 72.6673, 0.2668,
0.3051

■ 99.7469, 0.3150,
0.3328

■ 66.1481, 0.2524,
0.2957

■ 60.2985, 0.2390,
0.2858

■ 55.0837, 0.2271,
0.2754

■ 50.4652, 0.2169,
0.2647

■ 46.3992, 0.2086,
0.2539

■ 42.8337, 0.2024,
0.2431

■ 39.6852, 0.1980,
0.2326

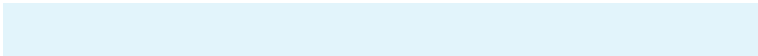
Harmonies

Analogous

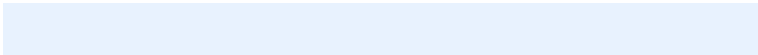
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8352, 0.2997, 0.3287



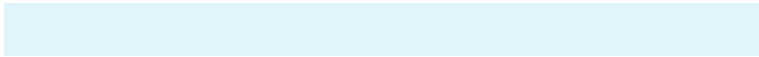
87.8352, 0.2973, 0.3218



87.8352, 0.2990, 0.3170

Triad

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



87.8352, 0.2973, 0.3218



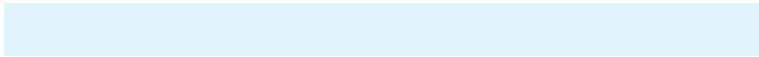
87.8352, 0.3199, 0.3224



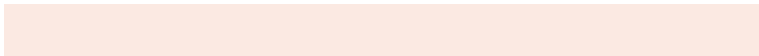
87.8352, 0.3210, 0.3429

Complementary

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



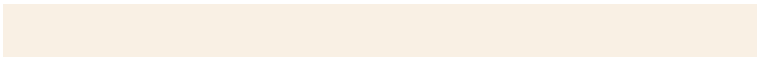
87.8352, 0.2973, 0.3218



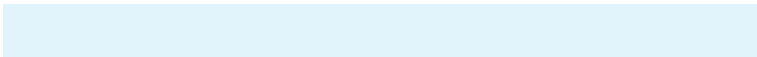
84.3568, 0.3295, 0.3361

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.



87.8352, 0.3266, 0.3410



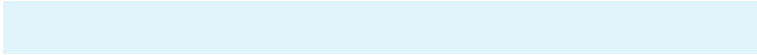
87.8352, 0.2973, 0.3218



87.8352, 0.3260, 0.3291

Square

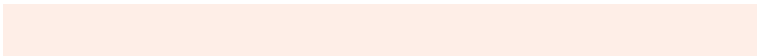
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.8352, 0.2973, 0.3218



87.8352, 0.3120, 0.3174



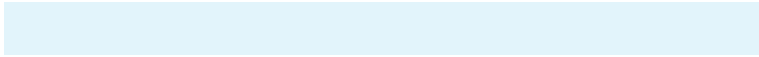
87.8352, 0.3284, 0.3359



87.8352, 0.3133, 0.3410

Rectangle

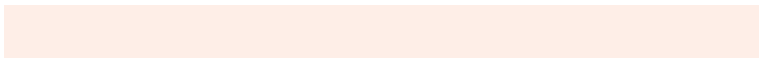
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.8352, 0.2973, 0.3218



87.8352, 0.3022, 0.3155



87.8352, 0.3284, 0.3359



87.8352, 0.3232, 0.3427

Sweetspot

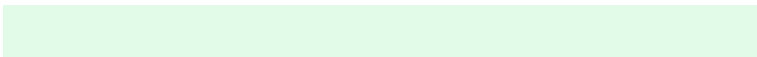
The Sweet Spot groups the original color and five complimentary colors.



87.8389, 0.2973, 0.3218



97.2073, 0.3081, 0.3269



91.0614, 0.3077, 0.3478



20.6492, 0.3068, 0.3263



0.0000, 0.0000, 0.0000



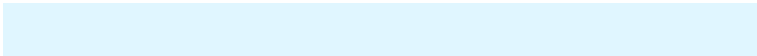
21.4041, 0.3127, 0.3290

Same Dimension

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



87.8389, 0.2973, 0.3218



89.2615, 0.2941, 0.3202



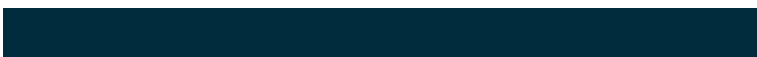
80.8038, 0.2972, 0.3093



18.7315, 0.2980, 0.3221



21.1049, 0.1984, 0.2343



2.1344, 0.2019, 0.2470

Inverse Universe

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



81.4792, 0.3184, 0.3113



81.4625, 0.3197, 0.3075



91.4398, 0.3282, 0.3479



17.4361, 0.3181, 0.3121



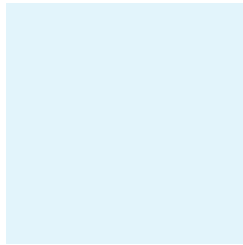
12.5415, 0.4082, 0.2022



1.1797, 0.3953, 0.1951

Previews

White Background



This preview shows how the Yxy color 87.8352, 0.2973, 0.3218 looks on a white background.

Color Contrast Check

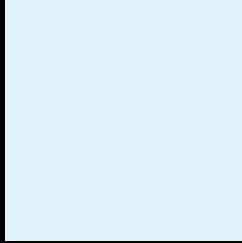
Large Text (above 18pt) WCAG AA × Fail

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 87.8352, 0.2973, 0.3218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

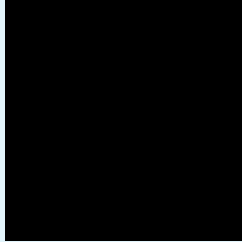
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

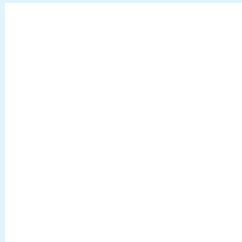
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.8352, 0.2973, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 87.8352, 0.2973, 0.3218.

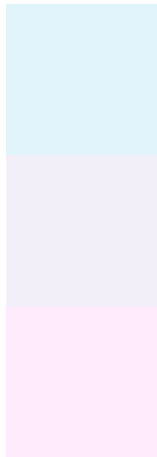


This preview shows how white text looks on a background with the Yxy color 87.8352, 0.2973, 0.3218.

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

87.8352, 0.2973, 0.3218

Protanopia

87.5650, 0.3099, 0.3201

Deuteranopia

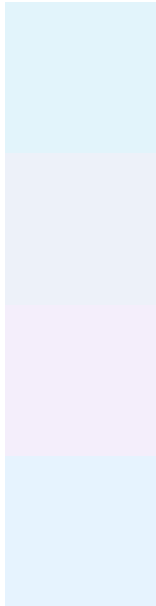
87.6417, 0.3161, 0.3135



Tritanopia

87.8801, 0.2987, 0.3159

Trichromacy



Original Color

87.8352, 0.2973, 0.3218

Protanomaly

87.7547, 0.3053, 0.3210

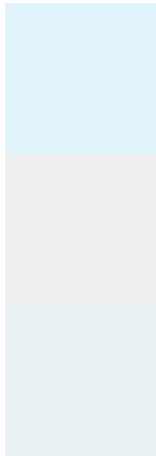
Deuteranomaly

87.3472, 0.3087, 0.3162

Tritanomaly

88.0799, 0.2980, 0.3179

Monochromacy



Original Color

87.8352, 0.2973, 0.3218

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.8741, 0.3070, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8352, 0.2973, 0.3218 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, 244, 251)` looks like.

```
.text, #text, p{  
    color:rgb(226, 244, 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, 244, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 244, 251) }
```

Border

The CSS property to change the border of an element to Yxy 87.8352, 0.2973, 0.3218 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, 244, 251) }
```

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

```
.border{ border-color:rgb(226, 244, 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, 244, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 244, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 244, 251);  
box-shadow:4px 4px 4px 4px rgb(226, 244,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8352, 0.2973, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 244, 251) }
```

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

```
.background{ background-color: rgb(226,  
244, 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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