

Converting Colors

$Yxy(86.7190, 0.2989, 0.3214)$

Have a look what the booklet for
Yxy(86.7190, 0.2989, 0.3214)
contains.

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Color

Yxy(86.6747, 0.2990, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	E3F2F9
RGB	227, 242, 249
RGB Percent	89%, 95%, 98%
CMY	0.1098, 0.0510, 0.0234
CMYK	0.09, 0.03, 0.00, 0.02
HSL	199°, 65%, 93%
HSV	199°, 9%, 98%
XYZ	80.5337, 86.6747, 102.1350
YIQ	238.3130, -11.1870, -1.0030

Conversions

Conversions Part 2

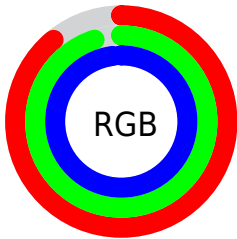
Format	Color
R _Y B	227, 236, 249
Decimal	14938873
CIE Lab	94.60, -3.59, -5.09
CIE LCh	95, 6.230, 234.792
Yxy	86.6747, 0.2990, 0.3218
Android (android.graphics.Color)	4293128953 (0xFFE3F2F9)
YUV	238.3130, 5.2687, -9.9215
Hunter-Lab	93.0992, -8.5158, 0.1251

Details

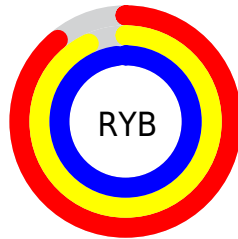
The Yxy color **86.6747, 0.2990, 0.3218** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.5578, 0.3274, 0.3361**, and the grayscale version is **85.7238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7387, 0.2961, 0.3198** is the 20% darker color. If you saturate the color by 10%, you get **78.2877, 0.2834, 0.3129**, and if you desaturate by 10%, it is **95.8604, 0.3145, 0.3299**.

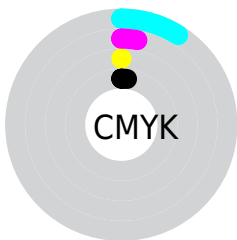
Distribution



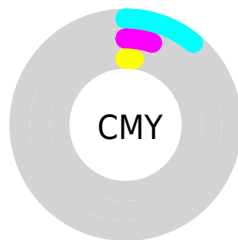
- Red (89%)
- Green (95%)
- Blue (98%)



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



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.6747, 0.2990, 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 86.6747, 0.2990, 0.3218 by changing the saturation by 10% instead.

86.6747, 0.2990,
0.3218

86.6747, 0.2990,
0.3218

517.1533, 0.3051,
0.3251

65.2260, 0.2976,
0.3211

142.7106, 0.3011,
0.3229

47.6444, 0.2960,
0.3202

178.0667, 0.3019,
0.3234

33.5454, 0.2939,
0.3191

218.8274, 0.3026,
0.3237

22.5446, 0.2913,
0.3176

265.3770, 0.3033,
0.3241

14.2576, 0.2878,
0.3157

318.1000, 0.3038,
0.3244

8.3000, 0.2830,
0.3130

377.3808, 0.3043,

4.2875, 0.2759,

0.3246

0.3089

443.6038, 0.3047,
0.3249

■ 1.8357, 0.2643,
0.3021

■ 0.5093, 0.2183,
0.2804

■ 86.6747, 0.2990,
0.3218

■ 86.6747, 0.2990,
0.3218

■ 78.2877, 0.2834,
0.3129

■ 95.8604, 0.3145,
0.3299

■ 70.6608, 0.2681,
0.3031

■ 99.6217, 0.3162,
0.3347

■ 63.7682, 0.2533,
0.2925

■ 57.5782, 0.2393,
0.2812

■ 52.0562, 0.2267,
0.2694

■ 47.1641, 0.2158,
0.2572

■ 42.8586, 0.2067,
0.2448

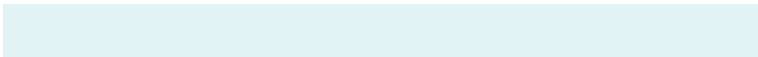
■ 39.0890, 0.1998,
0.2325

■ 35.7822, 0.1947,
0.2205

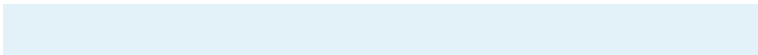
Harmonies

Analogous

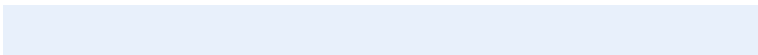
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6747, 0.3005, 0.3277



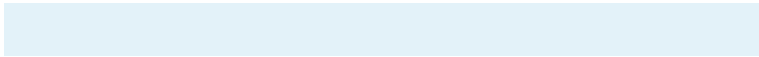
86.6747, 0.2990, 0.3218



86.6747, 0.3011, 0.3179

Triad

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



86.6747, 0.2990, 0.3218



86.6747, 0.3201, 0.3240



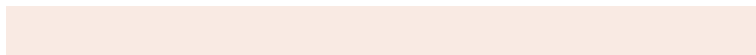
86.6747, 0.3191, 0.3413

Complementary

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



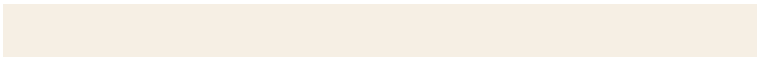
86.6747, 0.2990, 0.3218



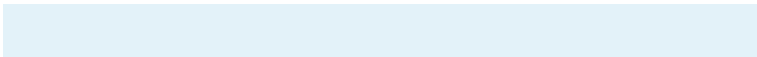
84.5578, 0.3274, 0.3361

Split Complementary

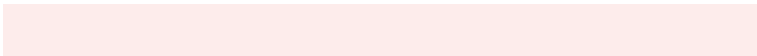
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6747, 0.3245, 0.3402



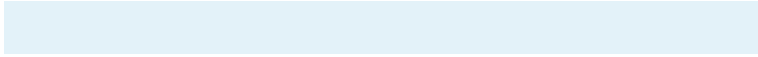
86.6747, 0.2990, 0.3218



86.6747, 0.3250, 0.3301

Square

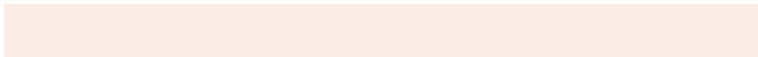
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.6747, 0.2990, 0.3218



86.6747, 0.3132, 0.3192



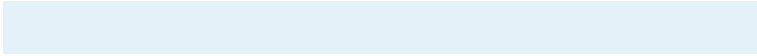
86.6747, 0.3266, 0.3360



86.6747, 0.3121, 0.3391

Rectangle

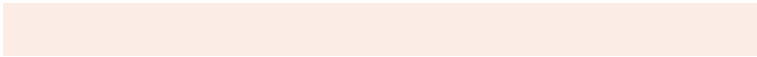
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.6747, 0.2990, 0.3218



86.6747, 0.3043, 0.3169



86.6747, 0.3266, 0.3360



86.6747, 0.3212, 0.3413

Sweetspot

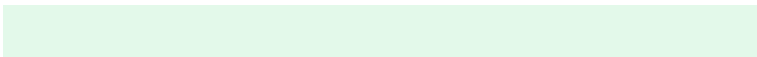
The Sweet Spot groups the original color and five complimentary colors.



86.6783, 0.2990, 0.3218



97.0297, 0.3081, 0.3266



90.0434, 0.3076, 0.3444



20.6012, 0.3068, 0.3260



0.0000, 0.0000, 0.0000



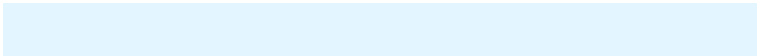
21.4041, 0.3127, 0.3290

Same Dimension

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



86.6783, 0.2990, 0.3218



89.4826, 0.2956, 0.3199



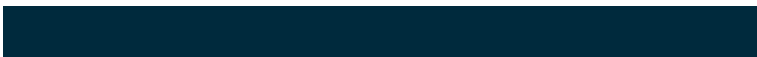
80.3479, 0.2990, 0.3105



18.6195, 0.2980, 0.3212



19.2216, 0.1948, 0.2211



1.9713, 0.1988, 0.2355

Inverse Universe

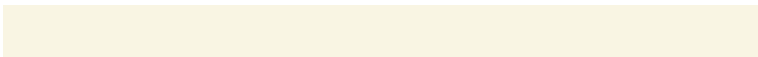
The Inverse Universe completely reimagines the original color for something new.



81.4963, 0.3183, 0.3141



82.8275, 0.3198, 0.3104



90.9944, 0.3263, 0.3469



17.4248, 0.3187, 0.3130



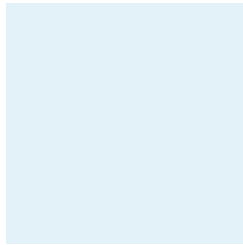
12.3513, 0.4221, 0.2099



1.1632, 0.4069, 0.2015

Previews

White Background



This preview shows how the Yxy color 86.6747, 0.2990, 0.3218 looks on a white background.

Color Contrast Check

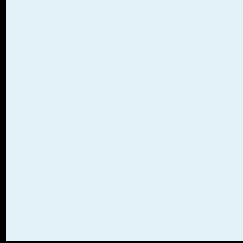
Large Text (above 18pt) WCAG AA × Fail

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 86.6747, 0.2990, 0.3218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

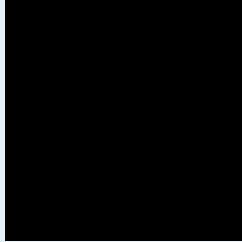
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

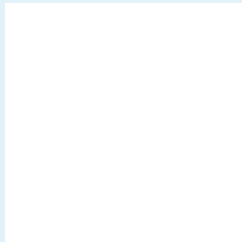
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.6747, 0.2990, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 86.6747, 0.2990, 0.3218.



This preview shows how white text looks on a background with the Yxy color 86.6747, 0.2990, 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

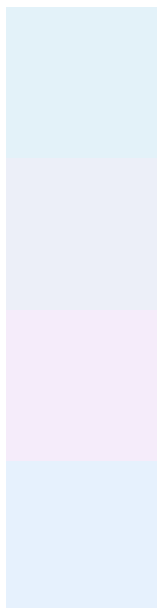




Tritanopia

86.5291, 0.2981, 0.3139

Trichromacy



Original Color

86.6747, 0.2990, 0.3218

Protanomaly

86.3432, 0.3053, 0.3199

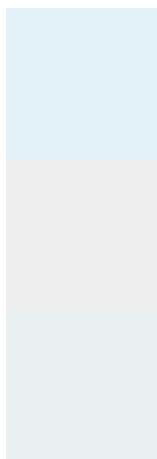
Deuteranomaly

86.3055, 0.3101, 0.3152

Tritanomaly

86.8254, 0.2986, 0.3169

Monochromacy



Original Color

86.6747, 0.2990, 0.3218

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.6362, 0.3076, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6747, 0.2990, 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(227, 242, 249)` looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 242, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 242, 249) }
```

Border

The CSS property to change the border of an element to Yxy 86.6747, 0.2990, 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(227, 242, 249) }
```

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

```
.border{ border-color:rgb(227, 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(227, 242, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 242, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 242, 249);  
box-shadow:4px 4px 4px 4px rgb(227, 242,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6747, 0.2990, 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(227, 242, 249) }
```

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

```
.background{ background-color: rgb(227,  
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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