

Converting Colors

$Yxy(87.1876, 0.3023, 0.3256)$

Have a look what the booklet for
Yxy(87.1876, 0.3023, 0.3256)
contains.

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Color

Yxy(87.4130, 0.3020, 0.3259)

Conversions

Conversions Part 1

Format	Color
Hex	E5F3F6
RGB	229, 243, 246
RGB Percent	90%, 95%, 96%
CMY	0.1019, 0.0471, 0.0352
CMYK	0.07, 0.01, 0.00, 0.04
HSL	191°, 49%, 93%
HSV	191°, 7%, 96%
XYZ	81.0025, 87.4130, 99.8048
YIQ	239.1560, -9.3070, -2.0350

Conversions

Conversions Part 2

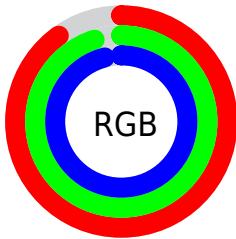
Format	Color
R _Y B	229, 237, 246
Decimal	15070198
CIE Lab	94.91, -4.03, -3.05
CIE LCh	95, 5.050, 217.152
Yxy	87.4130, 0.3020, 0.3259
Android (android.graphics.Color)	4293260278 (0xFFE5F3F6)
YUV	239.1560, 3.3741, -8.9068
Hunter-Lab	93.4949, -8.9665, 2.1550

Details

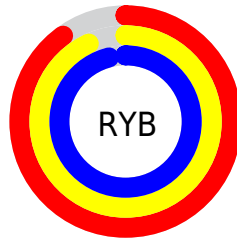
The Yxy color **87.4130, 0.3020, 0.3259** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.9830, 0.3242, 0.3321**, and the grayscale version is **86.4272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2570, 0.2999, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **81.0710, 0.2868, 0.3211**, and if you desaturate by 10%, it is **94.3979, 0.3175, 0.3303**.

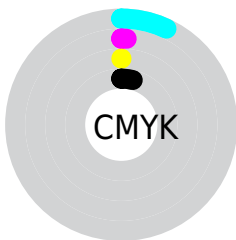
Distribution



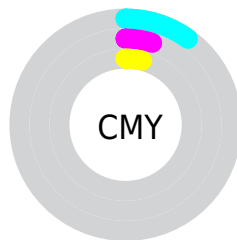
- Red (90%)
- Green (95%)
- Blue (96%)



- Red (90%)
- Yellow (93%)
- Blue (96%)



- Cyan (7%)
- Magenta (1%)
- Yellow (0%)
- Black (4%)





- Cyan (10%)
- Magenta (5%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4130, 0.3020, 0.3259 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 87.4130, 0.3020, 0.3259 by changing the saturation by 10% instead.


 87.4130, 0.3020,
0.3259

 87.4130, 0.3020,
0.3259

519.5790, 0.3068,
0.3273

 65.8370, 0.3009,
0.3256


143.7397, 0.3036,
0.3264

 48.1401, 0.2997,
0.3252

179.2591, 0.3043,
0.3266

 33.9379, 0.2981,
0.3247


220.1952, 0.3048,
0.3267

 22.8459, 0.2960,
0.3241

266.9324, 0.3053,
0.3269

 14.4797, 0.2933,
0.3232

319.8549, 0.3058,
0.3270

 8.4551, 0.2895,
0.3220

379.3473, 0.3061,

 4.3875, 0.2840,

0.3271

445.7938, 0.3065,
0.3272

0.3202

1.8926, 0.2749,
0.3171

0.5439, 0.2368,
0.3076

87.4130, 0.3020,
0.3259

87.4130, 0.3020,
0.3259

81.0710, 0.2868,
0.3211

94.3979, 0.3175,
0.3303

75.3365, 0.2721,
0.3158

97.3657, 0.3181,
0.3345

70.1870, 0.2583,
0.3101

99.4349, 0.3179,
0.3376

65.5943, 0.2458,
0.3041

■ 61.5278, 0.2348,
0.2979

■ 57.9535, 0.2255,
0.2915

■ 54.8327, 0.2182,
0.2850

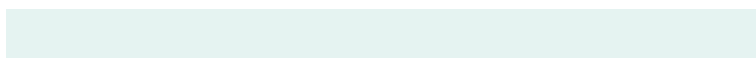
■ 52.1204, 0.2128,
0.2786

■ 49.7591, 0.2093,
0.2722

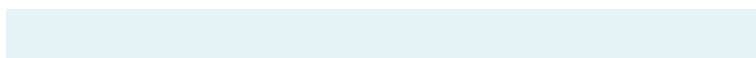
Harmonies

Analogous

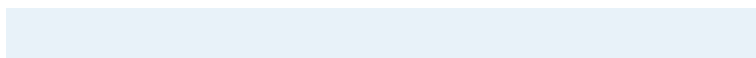
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4130, 0.3049, 0.3311



87.4130, 0.3020, 0.3259



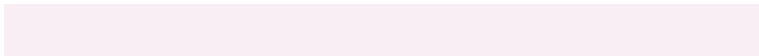
87.4130, 0.3020, 0.3216

Triad

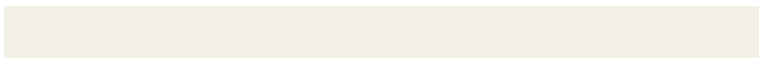
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4130, 0.3020, 0.3259



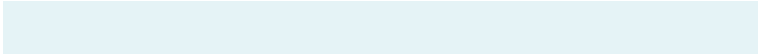
87.4130, 0.3155, 0.3225



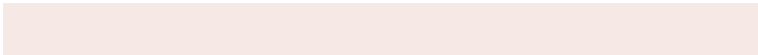
87.4130, 0.3207, 0.3387

Complementary

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



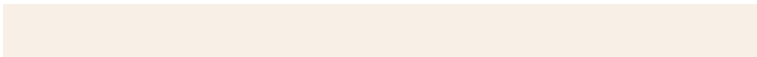
87.4130, 0.3020, 0.3259



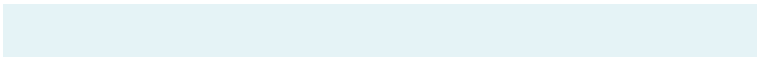
82.9830, 0.3242, 0.3321

Split Complementary

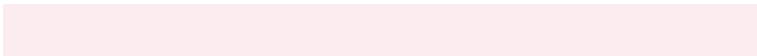
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4130, 0.3236, 0.3363



87.4130, 0.3020, 0.3259



87.4130, 0.3206, 0.3269

Square

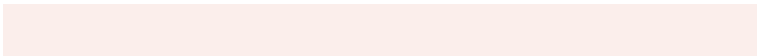
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4130, 0.3020, 0.3259



87.4130, 0.3097, 0.3197



87.4130, 0.3236, 0.3320



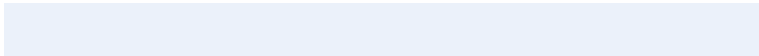
87.4130, 0.3156, 0.3385

Rectangle

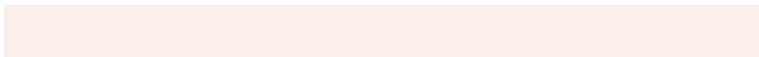
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4130, 0.3020, 0.3259



87.4130, 0.3036, 0.3199



87.4130, 0.3236, 0.3320



87.4130, 0.3219, 0.3382

Sweetspot

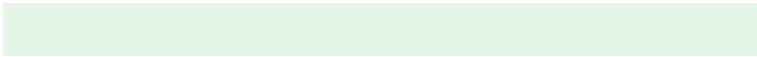
The Sweet Spot groups the original color and five complimentary colors.



87.4167, 0.3020, 0.3259



98.4697, 0.3096, 0.3281



88.3997, 0.3102, 0.3436



21.0926, 0.3098, 0.3282



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.



87.4167, 0.3020, 0.3259



94.0470, 0.3003, 0.3254



82.5487, 0.3021, 0.3174



18.2284, 0.2980, 0.3247



26.3765, 0.2087, 0.2713



2.4463, 0.2109, 0.2793

Inverse Universe

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



82.1123, 0.3154, 0.3150



87.4370, 0.3159, 0.3128



87.7797, 0.3235, 0.3404



16.7149, 0.3165, 0.3097



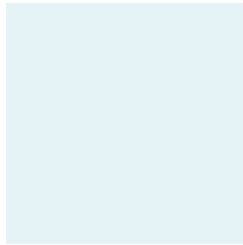
12.7621, 0.3716, 0.1821



1.1346, 0.3641, 0.1780

Previews

White Background



This preview shows how the Yxy color 87.4130, 0.3020, 0.3259 looks on a white background.

Color Contrast Check

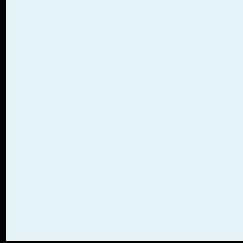
Large Text (above 18pt) WCAG AA × Fail

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 87.4130, 0.3020, 0.3259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

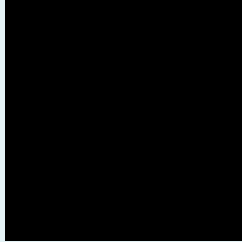
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

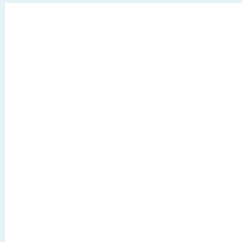
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.4130, 0.3020, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 87.4130, 0.3020, 0.3259.

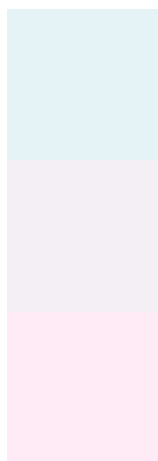


This preview shows how white text looks on a background with the Yxy color 87.4130, 0.3020, 0.3259.

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

87.4130, 0.3020, 0.3259

Protanopia

87.3193, 0.3123, 0.3240

Deuteranopia

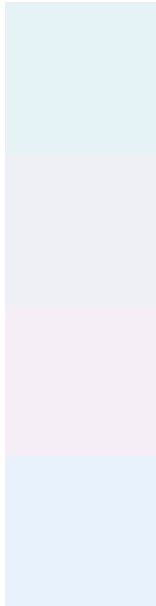
87.3305, 0.3192, 0.3183



Tritanopia

87.6230, 0.2999, 0.3150

Trichromacy



Original Color

87.4130, 0.3020, 0.3259

Protanomaly

87.0899, 0.3084, 0.3240

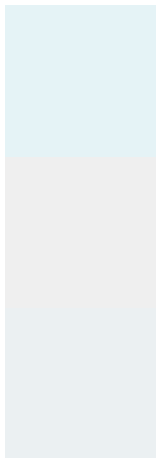
Deuteranomaly

87.3957, 0.3131, 0.3211

Tritanomaly

87.6883, 0.3004, 0.3189

Monochromacy



Original Color

87.4130, 0.3020, 0.3259

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.3931, 0.3082, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4130, 0.3020, 0.3259 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, 243, 246)` looks like.

```
.text, #text, p{  
    color:rgb(229, 243, 246)  
}
```

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, 243, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 243, 246) }
```

Border

The CSS property to change the border of an element to Yxy 87.4130, 0.3020, 0.3259 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, 243, 246) }
```

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

```
.border{ border-color:rgb(229, 243, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 243, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 243, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 243, 246); box-shadow:4px 4px 4px 4px rgb(229, 243, 246) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4130, 0.3020, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 243, 246) }
```

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

```
.background{ background-color: rgb(229,  
243, 246) }
```

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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