

Converting Colors

$Yxy(87.1574, 0.2984, 0.3247)$

Have a look what the booklet for
Yxy(87.1574, 0.2984, 0.3247)
contains.

| | |
|--|----|
| Yxy(87.4862, 0.2984, 0.3249) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(87.4862, 0.2984, 0.3249)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E1F4F8 |
| RGB | 225, 244, 248 |
| RGB Percent | 88%, 96%, 97% |
| CMY | 0.1175, 0.0431, 0.0276 |
| CMYK | 0.09, 0.02, 0.00, 0.03 |
| HSL | 190°, 62%, 93% |
| HSV | 190°, 9%, 97% |
| XYZ | 80.3505, 87.4862, 101.4344 |
| YIQ | 238.7750, -12.6080, -2.7840 |

Conversions

Conversions Part 2

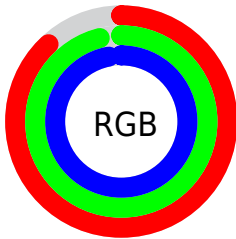
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 225, 235, 248 |
| Decimal | 14808312 |
| CIE Lab | 94.94, -5.43, -4.05 |
| CIE LCh | 95, 6.776, 216.686 |
| Yxy | 87.4862, 0.2984, 0.3249 |
| Android (android.graphics.Color) | 4292998392 (0xFFE1F4F8) |
| YUV | 238.7750, 4.5479, -12.0807 |
| Hunter-Lab | 93.5341, -10.3440, 1.1759 |

Details

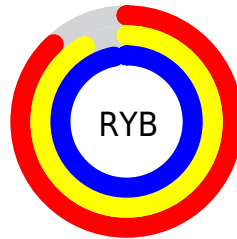
The Yxy color **87.4862, 0.2984, 0.3249** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.4364, 0.3285, 0.3331**, and the grayscale version is **86.1095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3183, 0.2953, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **81.2327, 0.2833, 0.3201**, and if you desaturate by 10%, it is **94.3862, 0.3139, 0.3293**.

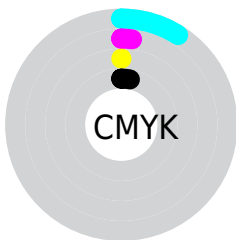
Distribution



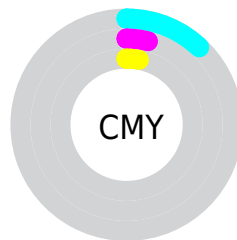
- Red (88%)
- Green (96%)
- Blue (97%)



- Red (88%)
- Yellow (92%)
- Blue (97%)



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



- Cyan (12%)
- Magenta (4%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4862, 0.2984, 0.3249 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 87.4862, 0.2984, 0.3249 by changing the saturation by 10% instead.

87.4862, 0.2984,
0.3249

87.4862, 0.2984,
0.3249

519.8192, 0.3048,
0.3268

65.8976, 0.2970,
0.3245

143.8416, 0.3006,
0.3255

48.1893, 0.2953,
0.3240

179.3773, 0.3014,
0.3258

33.9768, 0.2932,
0.3233

220.3307, 0.3022,
0.3260

22.8758, 0.2904,
0.3225

267.0864, 0.3028,
0.3262

14.5018, 0.2868,
0.3213

320.0287, 0.3034,
0.3264

8.4705, 0.2818,
0.3197

379.5420, 0.3039,

4.3975, 0.2745,

0.3265

0.3172

446.0107, 0.3044,
0.3267

■ 1.8983, 0.2626,
0.3130

■ 0.5474, 0.2137,
0.3017

■ 87.4862, 0.2984,
0.3249

■ 87.4862, 0.2984,
0.3249

■ 81.2327, 0.2833,
0.3201

■ 94.3862, 0.3139,
0.3293

■ 75.5893, 0.2688,
0.3148

■ 98.0292, 0.3169,
0.3334

■ 70.5327, 0.2553,
0.3092

■ 99.5556, 0.3168,
0.3357

■ 66.0337, 0.2432,
0.3033

■ 62.0603, 0.2326,
0.2972

■ 58.5768, 0.2238,
0.2909

■ 55.5427, 0.2170,
0.2846

■ 52.9098, 0.2122,
0.2783

■ 50.6049, 0.2090,
0.2721

Harmonies

Analogous

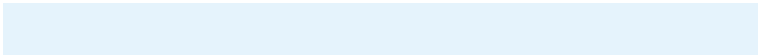
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4862, 0.3023, 0.3319



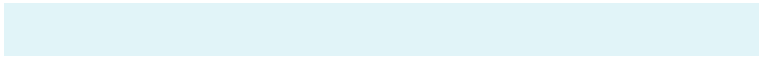
87.4862, 0.2984, 0.3249



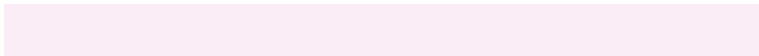
87.4862, 0.2983, 0.3192

Triad

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



87.4862, 0.2984, 0.3249



87.4862, 0.3163, 0.3202



87.4862, 0.3235, 0.3420

Complementary

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



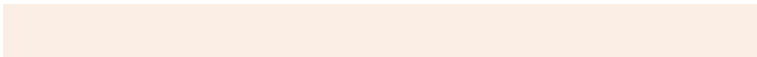
87.4862, 0.2984, 0.3249



81.4364, 0.3285, 0.3331

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.



87.4862, 0.3274, 0.3387



87.4862, 0.2984, 0.3249



87.4862, 0.3232, 0.3261

Square

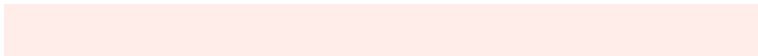
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4862, 0.2984, 0.3249



87.4862, 0.3086, 0.3165



87.4862, 0.3273, 0.3328



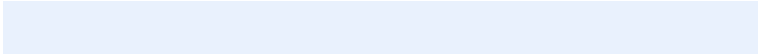
87.4862, 0.3167, 0.3419

Rectangle

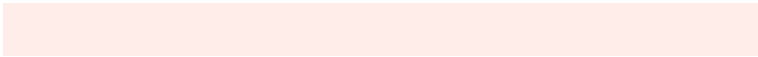
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



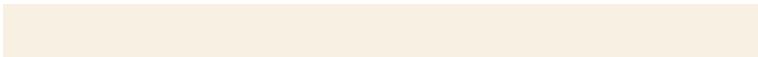
87.4862, 0.2984, 0.3249



87.4862, 0.3004, 0.3168



87.4862, 0.3273, 0.3328



87.4862, 0.3252, 0.3413

Sweetspot

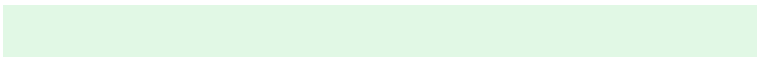
The Sweet Spot groups the original color and five complimentary colors.



87.4899, 0.2984, 0.3249



97.7349, 0.3080, 0.3277



88.7812, 0.3094, 0.3488



20.7920, 0.3068, 0.3274



0.0000, 0.0000, 0.0000



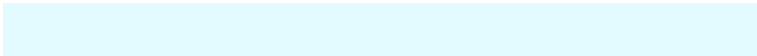
21.4041, 0.3127, 0.3290

Same Dimension

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



87.4899, 0.2984, 0.3249



92.0004, 0.2957, 0.3241



80.8889, 0.2983, 0.3132



19.0666, 0.2980, 0.3248



27.4377, 0.2091, 0.2726



2.6714, 0.2111, 0.2801

Inverse Universe

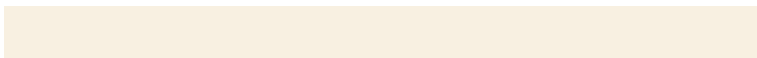
The Inverse Universe completely reimagines the original color for something new.



80.3552, 0.3164, 0.3101



83.0817, 0.3171, 0.3064



87.9034, 0.3273, 0.3443



17.4699, 0.3165, 0.3096



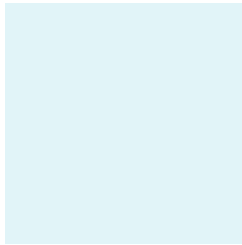
13.1808, 0.3703, 0.1814



1.2339, 0.3634, 0.1775

Previews

White Background



This preview shows how the Yxy color 87.4862, 0.2984, 0.3249 looks on a white background.

Color Contrast Check

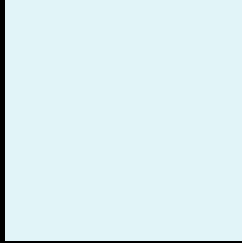
Large Text (above 18pt) WCAG AA × Fail

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 87.4862, 0.2984, 0.3249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

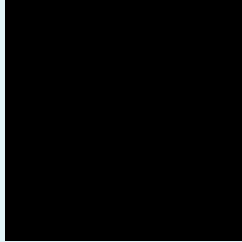
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

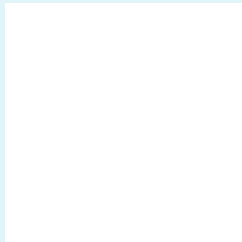
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.4862, 0.2984, 0.3249

Background



This preview shows how black text looks on a background with the Yxy color 87.4862, 0.2984, 0.3249.

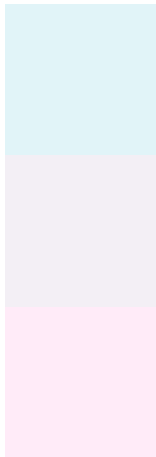


This preview shows how white text looks on a background with the Yxy color 87.4862, 0.2984, 0.3249.

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

87.4862, 0.2984, 0.3249

Protanopia

87.3803, 0.3117, 0.3230

Deuteranopia

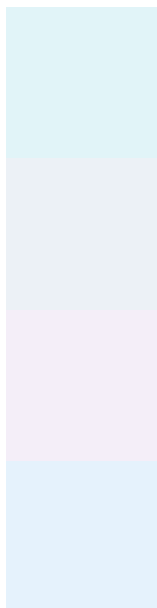
87.4540, 0.3180, 0.3164



Tritanopia

87.1195, 0.2981, 0.3149

Trichromacy



Original Color

87.4862, 0.2984, 0.3249

Protanomaly

87.3973, 0.3065, 0.3240

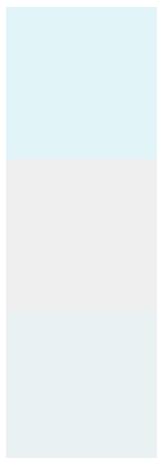
Deuteranomaly

87.1595, 0.3106, 0.3191

Tritanomaly

87.1905, 0.2985, 0.3189

Monochromacy



Original Color

87.4862, 0.2984, 0.3249

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.8138, 0.3076, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4862, 0.2984, 0.3249 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(225, 244, 248)` looks like.

```
.text, #text, p{  
    color:rgb(225, 244, 248)  
}
```

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(225, 244, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 244, 248) }
```

Border

The CSS property to change the border of an element to Yxy 87.4862, 0.2984, 0.3249 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(225, 244, 248) }
```

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

```
.border{ border-color:rgb(225, 244, 248) }
```

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

Here you see how a box with a 4 pixel rgb(225, 244, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 244, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 244, 248);  
box-shadow:4px 4px 4px 4px rgb(225, 244,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4862, 0.2984, 0.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 244, 248) }
```

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

```
.background{ background-color: rgb(225,  
244, 248) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor