

Converting Colors

$Yxy(87.7668, 0.2983, 0.3193)$

Have a look what the booklet for
Yxy(87.7668, 0.2983, 0.3193)
contains.

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Color

Yxy(87.7875, 0.2985, 0.3199)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E5F3FC |
| RGB | 229, 243, 252 |
| RGB Percent | 90%, 95%, 99% |
| CMY | 0.1023, 0.0469, 0.0118 |
| CMYK | 0.09, 0.04, 0.00, 0.01 |
| HSL | 203°, 79%, 94% |
| HSV | 203°, 9%, 99% |
| XYZ | 81.9149, 87.7875, 104.7193 |
| YIQ | 239.8400, -11.2330, -0.1690 |

Conversions

Conversions Part 2

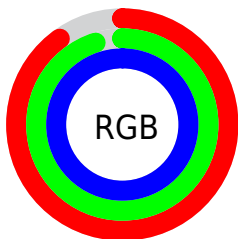
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 229, 238, 252 |
| Decimal | 15070204 |
| CIE Lab | 95.07, -2.93, -5.92 |
| CIE LCh | 95, 6.603, 243.620 |
| Yxy | 87.7875, 0.2985, 0.3199 |
| Android (android.graphics.Color) | 4293260284 (0xFFE5F3FC) |
| YUV | 239.8400, 5.9949, -9.5067 |
| Hunter-Lab | 93.6950, -7.9087, -0.6797 |

Details

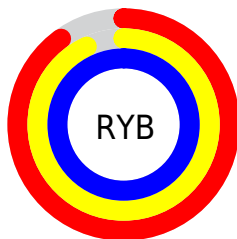
The Yxy color **87.7875, 0.2985, 0.3199** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.4336, 0.3278, 0.3379**, and the grayscale version is **86.9580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3650, 0.2954, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **78.2359, 0.2827, 0.3089**, and if you desaturate by 10%, it is **98.2609, 0.3140, 0.3298**.

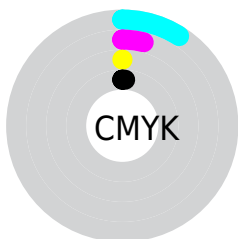
Distribution



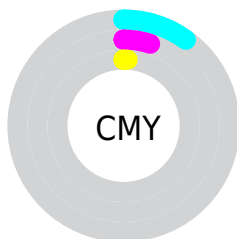
- Red (90%)
- Green (95%)
- Blue (99%)



- Red (90%)
- Yellow (93%)
- Blue (99%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)





- Cyan (10%)
- Magenta (5%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7875, 0.2985, 0.3199 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 87.7875, 0.2985, 0.3199 by changing the saturation by 10% instead.


 87.7875, 0.2985,
0.3199

 87.7875, 0.2985,
0.3199


520.8071, 0.3048,
0.3240

 66.1471, 0.2971,
0.3190


144.2613, 0.3007,
0.3213

 48.3918, 0.2954,
0.3179


179.8634, 0.3015,
0.3219

 34.1373, 0.2933,
0.3165


220.8883, 0.3022,
0.3223

 22.9991, 0.2906,
0.3147


267.7203, 0.3029,
0.3228

 14.5928, 0.2870,
0.3123

320.7438, 0.3035,
0.3231

 8.5341, 0.2821,
0.3090

380.3431, 0.3040,

 4.4386, 0.2748,

0.3234

0.3040

446.9028, 0.3044,
0.3237

■ 1.9218, 0.2631,
0.2958

■ 0.5614, 0.2254,
0.2739

■ 87.7875, 0.2985,
0.3199

■ 87.7875, 0.2985,
0.3199

■ 78.2359, 0.2827,
0.3089

■ 98.2609, 0.3140,
0.3298

■ 69.5645, 0.2669,
0.2968

■ 99.8081, 0.3144,
0.3319

■ 61.7441, 0.2515,
0.2838

■ 54.7399, 0.2368,
0.2698

■ 48.5138, 0.2232,
0.2551

■ 43.0239, 0.2113,
0.2399

■ 38.2229, 0.2013,
0.2247

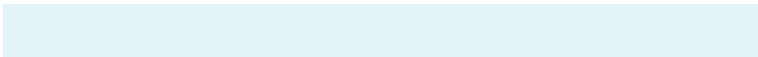
■ 34.0556, 0.1934,
0.2096

■ 30.4416, 0.1876,
0.1949

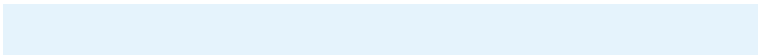
Harmonies

Analogous

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



87.7875, 0.2990, 0.3257



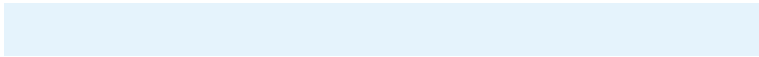
87.7875, 0.2985, 0.3199



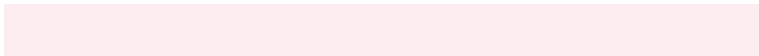
87.7875, 0.3018, 0.3166

Triad

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



87.7875, 0.2985, 0.3199



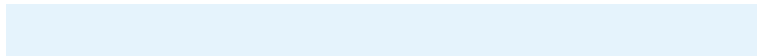
87.7875, 0.3224, 0.3255



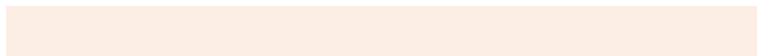
87.7875, 0.3174, 0.3417

Complementary

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



87.7875, 0.2985, 0.3199



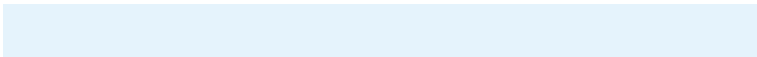
87.4336, 0.3278, 0.3379

Split Complementary

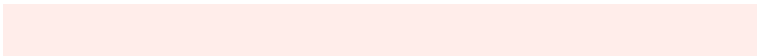
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7875, 0.3237, 0.3415



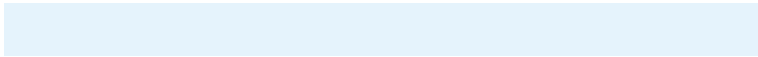
87.7875, 0.2985, 0.3199



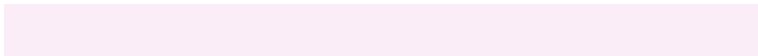
87.7875, 0.3266, 0.3321

Square

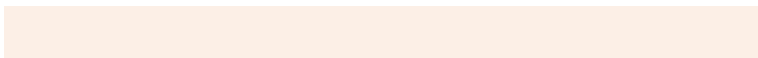
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



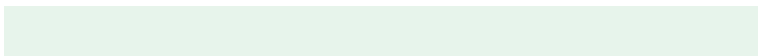
87.7875, 0.2985, 0.3199



87.7875, 0.3155, 0.3199



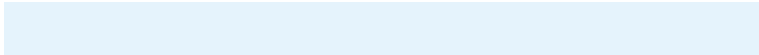
87.7875, 0.3271, 0.3379



87.7875, 0.3098, 0.3384

Rectangle

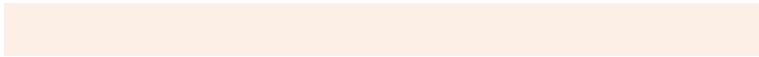
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.7875, 0.2985, 0.3199



87.7875, 0.3056, 0.3163



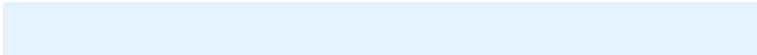
87.7875, 0.3271, 0.3379



87.7875, 0.3197, 0.3420

Sweetspot

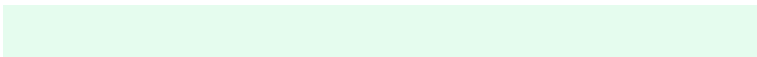
The Sweet Spot groups the original color and five complimentary colors.



87.7912, 0.2985, 0.3199



96.6953, 0.3081, 0.3261



92.4238, 0.3065, 0.3434



20.5108, 0.3068, 0.3253



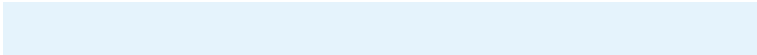
0.0000, 0.0000, 0.0000



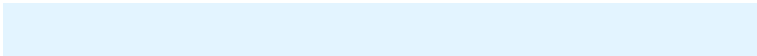
21.4041, 0.3127, 0.3290

Same Dimension

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



87.7912, 0.2985, 0.3199



88.3025, 0.2956, 0.3180



81.1695, 0.2984, 0.3082



18.4094, 0.2980, 0.3196



16.0030, 0.1878, 0.1962



1.6880, 0.1927, 0.2137

Inverse Universe

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



83.1631, 0.3195, 0.3151



82.7084, 0.3210, 0.3122



94.2880, 0.3267, 0.3490



17.4035, 0.3198, 0.3146



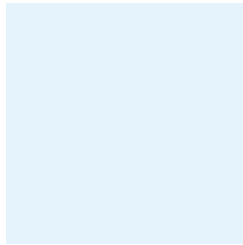
12.0264, 0.4497, 0.2251



1.1346, 0.4301, 0.2143

Previews

White Background



This preview shows how the Yxy color 87.7875, 0.2985, 0.3199 looks on a white background.

Color Contrast Check

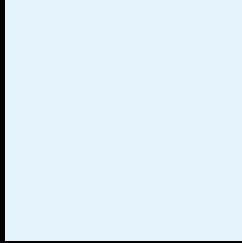
Large Text (above 18pt) WCAG AA × Fail

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 87.7875, 0.2985, 0.3199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

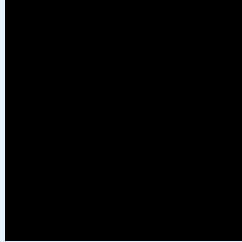
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

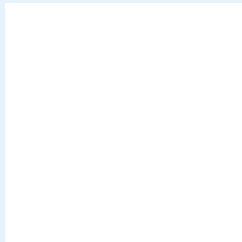
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7875, 0.2985, 0.3199

Background



This preview shows how black text looks on a background with the Yxy color 87.7875, 0.2985, 0.3199.



This preview shows how white text looks on a background with the Yxy color 87.7875, 0.2985, 0.3199.

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

87.7875, 0.2985, 0.3199

Protanopia

87.5124, 0.3080, 0.3181

Deuteranopia

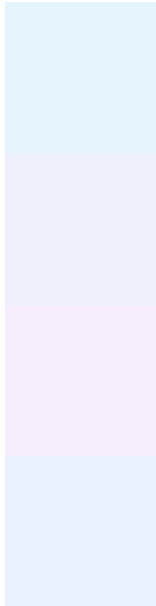
87.7049, 0.3155, 0.3126



Tritanopia

87.6230, 0.2999, 0.3150

Trichromacy



Original Color

87.7875, 0.2985, 0.3199

Protanomaly

87.2897, 0.3042, 0.3180

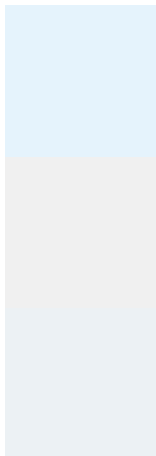
Deuteranomaly

87.7702, 0.3094, 0.3152

Tritanomaly

87.8158, 0.2993, 0.3169

Monochromacy



Original Color

87.7875, 0.2985, 0.3199

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.2751, 0.3077, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7875, 0.2985, 0.3199 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, 252)` looks like.

```
.text, #text, p{  
    color:rgb(229, 243, 252)  
}
```

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, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 243, 252) }
```

Border

The CSS property to change the border of an element to Yxy 87.7875, 0.2985, 0.3199 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, 252) }
```

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

```
.border{ border-color:rgb(229, 243, 252) }
```

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, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 243, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 243, 252);  
box-shadow:4px 4px 4px 4px rgb(229, 243,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7875, 0.2985, 0.3199 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, 252) }
```

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

```
.background{ background-color: rgb(229,  
243, 252) }
```

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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