

Converting Colors

Yxy(87.7424, 0.3010, 0.3248)

Have a look what the booklet for
Yxy(87.7424, 0.3010, 0.3248)
contains.

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Color

Yxy(87.5365, 0.3008, 0.3239)

Conversions

Conversions Part 1

Format	Color
Hex	E5F3F8
RGB	229, 243, 248
RGB Percent	90%, 95%, 97%
CMY	0.1022, 0.0470, 0.0274
CMYK	0.08, 0.02, 0.00, 0.03
HSL	196°, 58%, 94%
HSV	196°, 8%, 97%
XYZ	81.2935, 87.5365, 101.4278
YIQ	239.3840, -9.9490, -1.4130

Conversions

Conversions Part 2

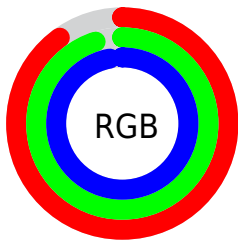
Format	Color
R _Y B	229, 237, 248
Decimal	15070200
CIE Lab	94.97, -3.68, -4.01
CIE LCh	95, 5.443, 227.414
Yxy	87.5365, 0.3008, 0.3239
Android (android.graphics.Color)	4293260280 (0xFFE5F3F8)
YUV	239.3840, 4.2477, -9.1068
Hunter-Lab	93.5609, -8.6360, 1.2174

Details

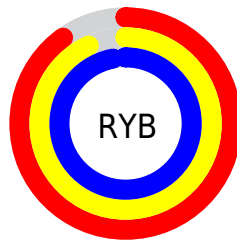
The Yxy color **87.5365, 0.3008, 0.3239** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.4189, 0.3255, 0.3340**, and the grayscale version is **86.5992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2307, 0.2976, 0.3224** is the 20% darker color. If you saturate the color by 10%, you get **79.9322, 0.2854, 0.3167**, and if you desaturate by 10%, it is **95.8683, 0.3163, 0.3305**.

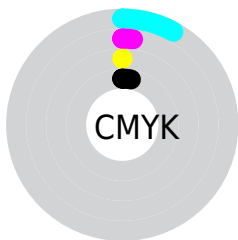
Distribution



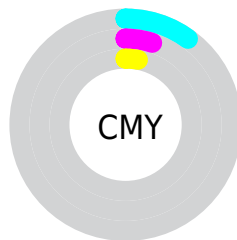
- Red (90%)
- Green (95%)
- Blue (97%)



- Red (90%)
- Yellow (93%)
- Blue (97%)



- Cyan (8%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)





- Cyan (10%)
- Magenta (5%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5365, 0.3008, 0.3239 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 87.5365, 0.3008, 0.3239 by changing the saturation by 10% instead.


 87.5365, 0.3008,
0.3239

 87.5365, 0.3008,
0.3239

519.9842, 0.3061,
0.3262

 65.9393, 0.2996,
0.3234


143.9117, 0.3026,
0.3247

 48.2231, 0.2982,
0.3227


179.4585, 0.3033,
0.3250

 34.0036, 0.2964,
0.3220


220.4239, 0.3039,
0.3253

 22.8964, 0.2942,
0.3209

267.1923, 0.3045,
0.3255

 14.5170, 0.2911,
0.3196

320.1481, 0.3050,
0.3257

 8.4811, 0.2870,
0.3176

379.6758, 0.3054,

 4.4043, 0.2808,

0.3259

0.3148

446.1597, 0.3058,
0.3261

■ 1.9022, 0.2708,
0.3099

■ 0.5497, 0.2324,
0.2954

■ 87.5365, 0.3008,
0.3239

■ 87.5365, 0.3008,
0.3239

■ 79.9322, 0.2854,
0.3167

■ 95.8683, 0.3163,
0.3305

■ 73.0182, 0.2703,
0.3088

■ 99.5581, 0.3168,
0.3357

■ 66.7706, 0.2559,
0.3002

■ 61.1594, 0.2425,
0.2912

■ 56.1521, 0.2305,
0.2817

■ 51.7125, 0.2202,
0.2719

■ 47.7999, 0.2118,
0.2620

■ 44.3665, 0.2054,
0.2521

■ 41.3490, 0.2009,
0.2423

Harmonies

Analogous

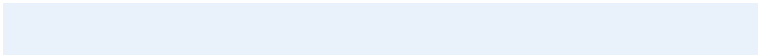
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5365, 0.3029, 0.3293



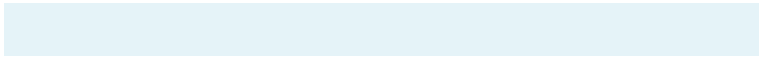
87.5365, 0.3008, 0.3239



87.5365, 0.3018, 0.3200

Triad

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



87.5365, 0.3008, 0.3239



87.5365, 0.3178, 0.3234



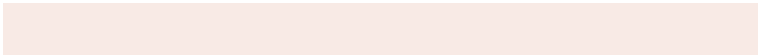
87.5365, 0.3196, 0.3398

Complementary

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



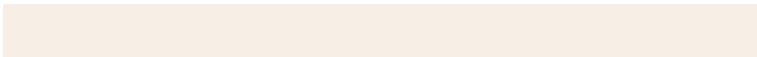
87.5365, 0.3008, 0.3239



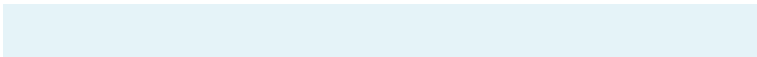
84.4189, 0.3255, 0.3340

Split Complementary

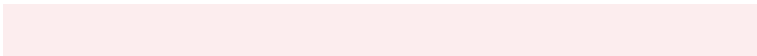
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5365, 0.3237, 0.3380



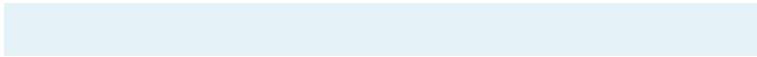
87.5365, 0.3008, 0.3239



87.5365, 0.3226, 0.3286

Square

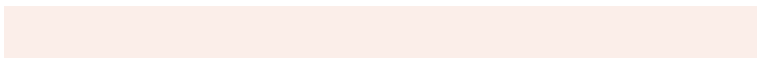
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



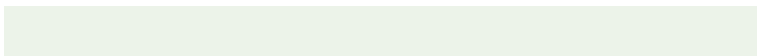
87.5365, 0.3008, 0.3239



87.5365, 0.3116, 0.3197



87.5365, 0.3248, 0.3340



87.5365, 0.3137, 0.3385

Rectangle

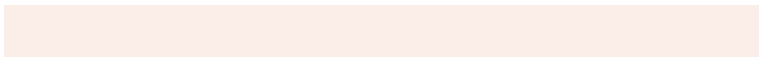
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.5365, 0.3008, 0.3239



87.5365, 0.3042, 0.3186



87.5365, 0.3248, 0.3340



87.5365, 0.3213, 0.3395

Sweetspot

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



87.5402, 0.3008, 0.3239



98.1969, 0.3096, 0.3277



89.7146, 0.3090, 0.3436



21.0371, 0.3098, 0.3278



0.0000, 0.0000, 0.0000



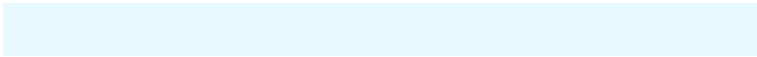
21.4041, 0.3127, 0.3290

Same Dimension

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



87.5402, 0.3008, 0.3239



92.1319, 0.2988, 0.3230



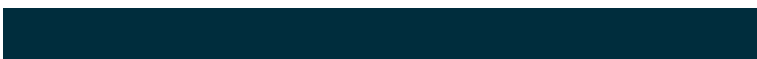
82.1055, 0.3008, 0.3143



18.7947, 0.2980, 0.3226



22.2185, 0.2005, 0.2417



2.2299, 0.2037, 0.2533

Inverse Universe

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



82.4363, 0.3168, 0.3150



85.8406, 0.3175, 0.3126



89.8603, 0.3246, 0.3433



17.4424, 0.3178, 0.3117



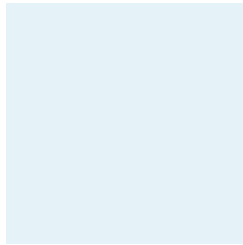
12.6539, 0.4006, 0.1981



1.1893, 0.3889, 0.1916

Previews

White Background



This preview shows how the Yxy color 87.5365, 0.3008, 0.3239 looks on a white background.

Color Contrast Check

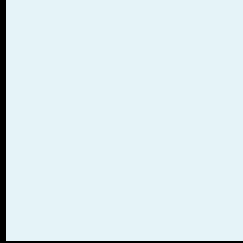
Large Text (above 18pt) WCAG AA × Fail

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 87.5365, 0.3008, 0.3239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

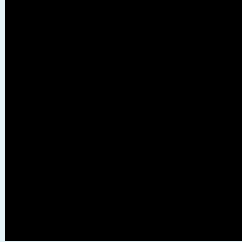
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

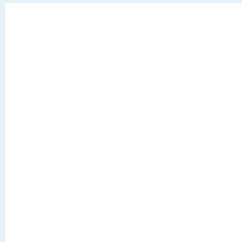
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5365, 0.3008, 0.3239

Background



This preview shows how black text looks on a background with the Yxy color 87.5365, 0.3008, 0.3239.

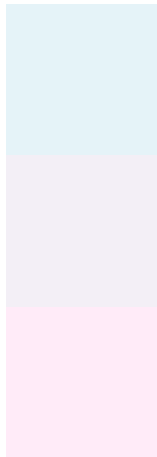


This preview shows how white text looks on a background with the Yxy color 87.5365, 0.3008, 0.3239.

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

87.5365, 0.3008, 0.3239

Protanopia

87.4415, 0.3111, 0.3220

Deuteranopia

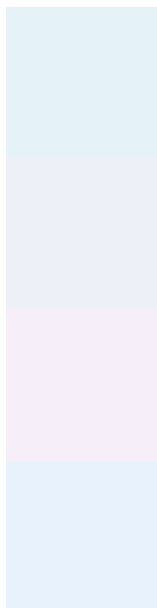
87.4540, 0.3180, 0.3164



Tritanopia

87.6230, 0.2999, 0.3150

Trichromacy



Original Color

87.5365, 0.3008, 0.3239

Protanomaly

87.2127, 0.3072, 0.3220

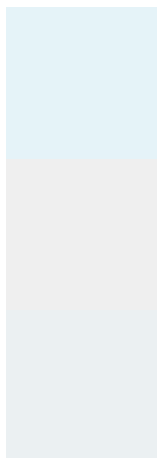
Deuteranomaly

87.5192, 0.3119, 0.3191

Tritanomaly

87.6883, 0.3004, 0.3189

Monochromacy



Original Color

87.5365, 0.3008, 0.3239

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 87.5365, 0.3008, 0.3239 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(229, 243, 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(229, 243, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 243, 248) }
```

Border

The CSS property to change the border of an element to Yxy 87.5365, 0.3008, 0.3239 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, 248) }
```

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

```
.border{ border-color:rgb(229, 243, 248) }
```

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, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 243, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 243, 248);  
box-shadow:4px 4px 4px 4px rgb(229, 243,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5365, 0.3008, 0.3239 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, 248) }
```

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

```
.background{ background-color: rgb(229,  
243, 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](#).

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