

Converting Colors

$Y_{xy}(89.5504, 0.2972, 0.3234)$

Have a look what the booklet for
Yxy(89.5504, 0.2972, 0.3234)
contains.

Yxy(89.8807, 0.2973, 0.3239)	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(89.8807, 0.2973, 0.3239)

Conversions

Conversions Part 1

Format	Color
Hex	E3F7FC
RGB	227, 247, 252
RGB Percent	89%, 97%, 99%
CMY	0.1100, 0.0313, 0.0117
CMYK	0.10, 0.02, 0.00, 0.01
HSL	192°, 81%, 94%
HSV	192°, 10%, 99%
XYZ	82.4993, 89.8807, 105.1152
YIQ	241.5900, -13.5250, -2.6850

Conversions

Conversions Part 2

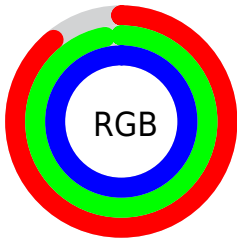
Format	Color
R _Y B	227, 238, 252
Decimal	14940156
CIE Lab	95.95, -5.58, -4.65
CIE LCh	96, 7.266, 219.826
Yxy	89.8807, 0.2973, 0.3239
Android (android.graphics.Color)	4293130236 (0xFFE3F7FC)
YUV	241.5900, 5.1321, -12.7954
Hunter-Lab	94.8054, -10.5795, 0.6262

Details

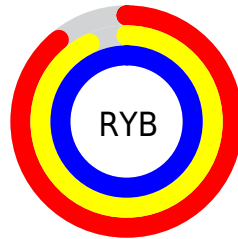
The Yxy color **89.8807, 0.2973, 0.3239** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.9283, 0.3298, 0.3340**, and the grayscale version is **88.4156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9724, 0.2948, 0.3238** is the 20% darker color. If you saturate the color by 10%, you get **83.0474, 0.2821, 0.3183**, and if you desaturate by 10%, it is **97.4043, 0.3128, 0.3290**.

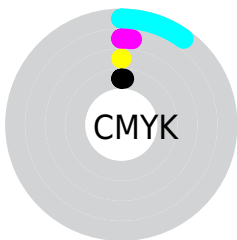
Distribution



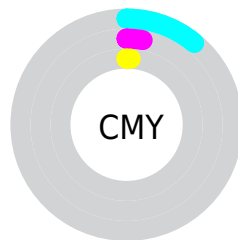
- Red (89%)
- Green (97%)
- Blue (99%)



- Red (89%)
- Yellow (93%)
- Blue (99%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (1%)





- Cyan (11%)
- Magenta (3%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.8807, 0.2973, 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 89.8807, 0.2973, 0.3239 by changing the saturation by 10% instead.


 89.8807, 0.2973,
0.3239

 89.8807, 0.2973,
0.3239


527.6427, 0.3041,
0.3262

 67.8817, 0.2958,
0.3234


147.1727, 0.2996,
0.3247

 49.8015, 0.2940,
0.3227


183.2344, 0.3005,
0.3250

 35.2557, 0.2917,
0.3219


224.7526, 0.3013,
0.3253

 23.8599, 0.2888,
0.3209

272.1115, 0.3020,
0.3255

 15.2297, 0.2851,
0.3195

325.6955, 0.3027,
0.3257

 8.9808, 0.2799,
0.3176

385.8892, 0.3032,

 4.7286, 0.2722,

0.3259

0.3147

453.0768, 0.3037,
0.3261

■ 2.0889, 0.2601,
0.3098

■ 0.6584, 0.2233,
0.3003

■ 89.8807, 0.2973,
0.3239

■ 89.8807, 0.2973,
0.3239

■ 83.0474, 0.2821,
0.3183

■ 97.4043, 0.3128,
0.3290

■ 76.8666, 0.2675,
0.3122

■ 99.8098, 0.3144,
0.3318

■ 71.3134, 0.2539,
0.3057

■ 66.3570, 0.2415,
0.2988

■ 61.9638, 0.2307,
0.2916

■ 58.0959, 0.2217,
0.2843

■ 54.7106, 0.2147,
0.2769

■ 51.7568, 0.2096,
0.2696

■ 49.1513, 0.2062,
0.2623

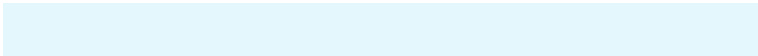
Harmonies

Analogous

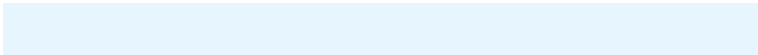
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8807, 0.3010, 0.3313



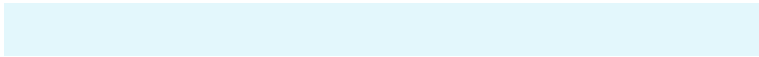
89.8807, 0.2973, 0.3239



89.8807, 0.2976, 0.3181

Triad

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



89.8807, 0.2973, 0.3239



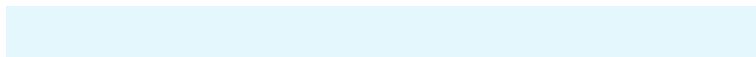
89.8807, 0.3174, 0.3202



89.8807, 0.3235, 0.3430

Complementary

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



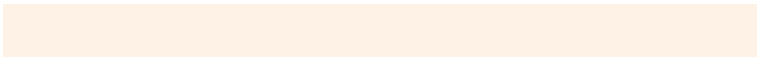
89.8807, 0.2973, 0.3239



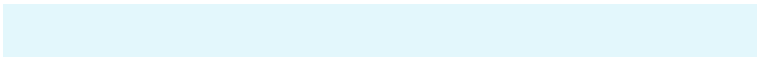
83.9283, 0.3298, 0.3340

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.



89.8807, 0.3280, 0.3398



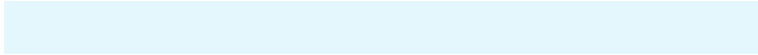
89.8807, 0.2973, 0.3239



89.8807, 0.3245, 0.3266

Square

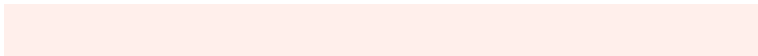
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.8807, 0.2973, 0.3239



89.8807, 0.3092, 0.3160



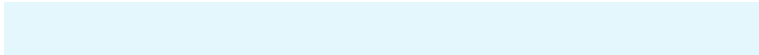
89.8807, 0.3284, 0.3338



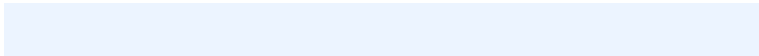
89.8807, 0.3161, 0.3424

Rectangle

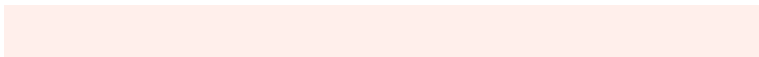
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



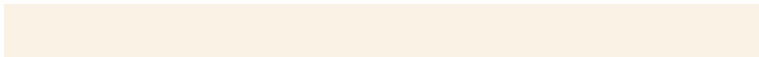
89.8807, 0.2973, 0.3239



89.8807, 0.3001, 0.3158



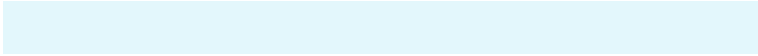
89.8807, 0.3284, 0.3338



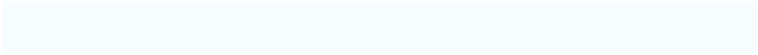
89.8807, 0.3254, 0.3423

Sweetspot

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



89.8845, 0.2973, 0.3239



97.6074, 0.3081, 0.3275



91.7584, 0.3089, 0.3500



20.7575, 0.3068, 0.3271



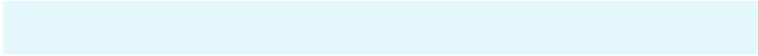
0.0000, 0.0000, 0.0000



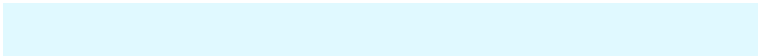
21.4041, 0.3127, 0.3290

Same Dimension

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



89.8845, 0.2973, 0.3239



90.8159, 0.2941, 0.3228



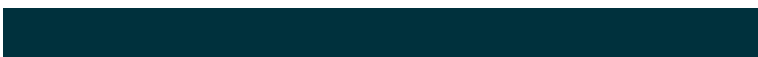
82.7032, 0.2972, 0.3115



18.9854, 0.2980, 0.3242



25.8053, 0.2065, 0.2635



2.5344, 0.2090, 0.2722

Inverse Universe

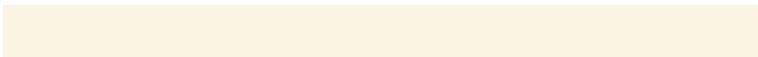
The Inverse Universe completely reimagines the original color for something new.



82.3241, 0.3171, 0.3093



81.6194, 0.3181, 0.3051



90.9941, 0.3284, 0.3460



17.4617, 0.3169, 0.3102



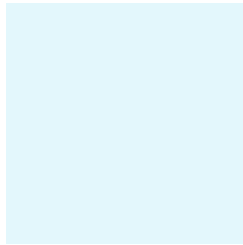
13.0160, 0.3790, 0.1861



1.2201, 0.3707, 0.1816

Previews

White Background



This preview shows how the Yxy color 89.8807, 0.2973, 0.3239 looks on a white background.

Color Contrast Check

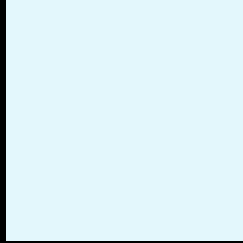
Large Text (above 18pt) WCAG AA × Fail

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 89.8807, 0.2973, 0.3239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

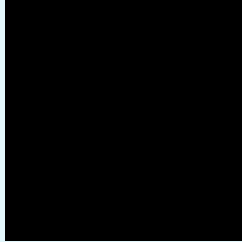
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.8807, 0.2973, 0.3239

Background



This preview shows how black text looks on a background with the Yxy color 89.8807, 0.2973, 0.3239.

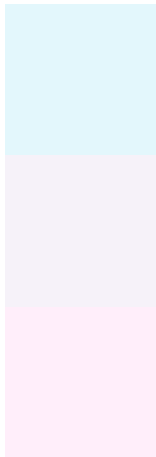


This preview shows how white text looks on a background with the Yxy color 89.8807, 0.2973, 0.3239.

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

89.8807, 0.2973, 0.3239

Protanopia

89.9366, 0.3111, 0.3221

Deuteranopia

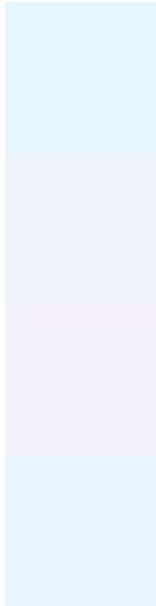
89.3112, 0.3166, 0.3174



Tritanopia

89.7542, 0.3012, 0.3181

Trichromacy



Original Color

89.8807, 0.2973, 0.3239

Protanomaly

89.9542, 0.3060, 0.3230

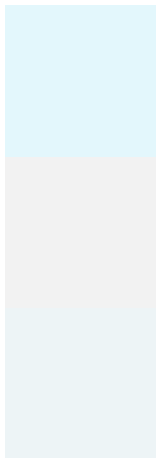
Deuteranomaly

89.2881, 0.3093, 0.3192

Tritanomaly

89.7842, 0.2999, 0.3200

Monochromacy



Original Color

89.8807, 0.2973, 0.3239

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.3597, 0.3070, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8807, 0.2973, 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(227, 247, 252)` looks like.

```
.text, #text, p{  
    color:rgb(227, 247, 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(227, 247, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 247, 252) }
```

Border

The CSS property to change the border of an element to Yxy 89.8807, 0.2973, 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(227, 247, 252) }
```

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

```
.border{ border-color:rgb(227, 247, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 247, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 247, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 247, 252);  
box-shadow:4px 4px 4px 4px rgb(227, 247,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8807, 0.2973, 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(227, 247, 252) }
```

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

```
.background{ background-color: rgb(227,  
247, 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](#).

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