

Converting Colors

Yxy(87.3823, 0.2968, 0.3159)

Have a look what the booklet for
Yxy(87.3823, 0.2968, 0.3159)
contains.

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Color

Yxy(87.3823, 0.2968, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	E5F2FF
RGB	229, 242, 255
RGB Percent	90%, 95%, 100%
CMY	0.1022, 0.0509, 0.0001
CMYK	0.10, 0.05, 0.00, 0.00
HSL	210°, 100%, 95%
HSV	210°, 10%, 100%
XYZ	82.0990, 87.3823, 107.1325
YIQ	239.5950, -11.9210, 1.2870

Conversions

Conversions Part 2

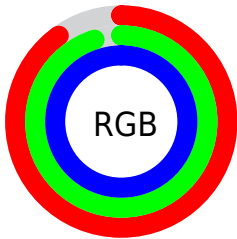
Format	Color
R _Y B	229, 238, 255
Decimal	15069951
CIE _{Lab}	94.90, -1.84, -7.72
CIE _{LCh}	95, 7.931, 256.588
Y _{xy}	87.3823, 0.2968, 0.3159
Android (android.graphics.Color)	4293260031 (0xFFE5F2FF)
Y _{UV}	239.5950, 7.5947, -9.2918
Hunter-Lab	93.4785, -6.8169, -2.5153

Details

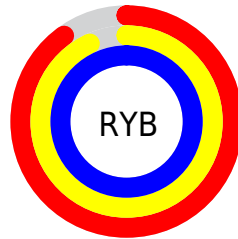
The Yxy color **87.3823, 0.2968, 0.3159** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.3578, 0.3294, 0.3418**, and the grayscale version is **86.7463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0793, 0.2933, 0.3134** is the 20% darker color. If you saturate the color by 10%, you get **76.2012, 0.2806, 0.3016**, and if you desaturate by 10%, it is **99.7109, 0.3124, 0.3287**.

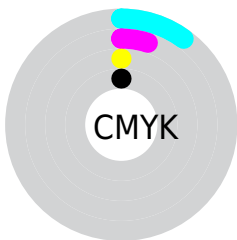
Distribution



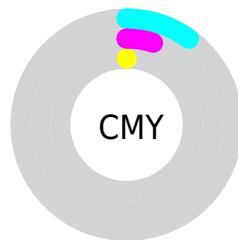
- Red (90%)
- Green (95%)
- Blue (100%)



- Red (90%)
- Yellow (93%)
- Blue (100%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.3823, 0.2968, 0.3159 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 87.3823, 0.2968, 0.3159 by changing the saturation by 10% instead.

87.3823, 0.2968,
0.3159

87.3823, 0.2968,
0.3159

519.4783, 0.3039,
0.3218

65.8116, 0.2952,
0.3146

143.6969, 0.2992,
0.3179

48.1195, 0.2933,
0.3130

179.2096, 0.3002,
0.3187

33.9215, 0.2910,
0.3110

220.1384, 0.3010,
0.3194

22.8333, 0.2879,
0.3085

266.8678, 0.3017,
0.3200

14.4705, 0.2839,
0.3051

319.7820, 0.3024,
0.3205

8.4486, 0.2784,
0.3004

379.2656, 0.3029,

4.3833, 0.2703,

0.3210

0.2934

445.7029, 0.3034,
0.3214

■ 1.8902, 0.2571,
0.2821

■ 0.5425, 0.2186,
0.2520

■ 87.3823, 0.2968,
0.3159

■ 87.3823, 0.2968,
0.3159

■ 76.2012, 0.2806,
0.3016

99.7109, 0.3124,
0.3287

■ 66.1194, 0.2641,
0.2858

99.9990, 0.3127,
0.3290

■ 57.1008, 0.2477,
0.2686

■ 49.1031, 0.2317,
0.2502

■ 42.0806, 0.2168,
0.2309

■ 35.9828, 0.2034,
0.2112

■ 30.7537, 0.1920,
0.1916

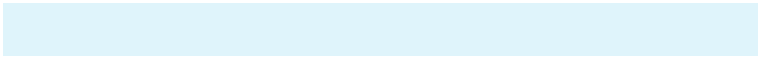
■ 26.3279, 0.1830,
0.1727

■ 22.6783, 0.1765,
0.1553

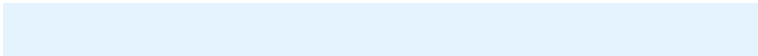
Harmonies

Analogous

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



87.3823, 0.2954, 0.3217



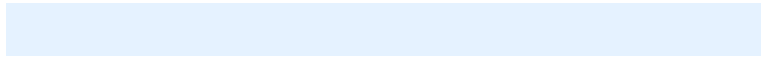
87.3823, 0.2968, 0.3159



87.3823, 0.3024, 0.3137

Triad

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



87.3823, 0.2968, 0.3159



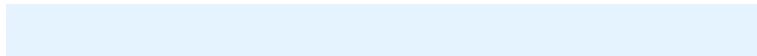
87.3823, 0.3270, 0.3282



87.3823, 0.3144, 0.3431

Complementary

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



87.3823, 0.2968, 0.3159



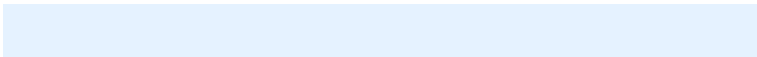
90.3578, 0.3294, 0.3418

Split Complementary

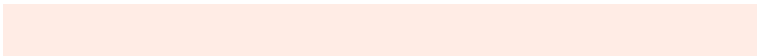
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.3823, 0.3230, 0.3447



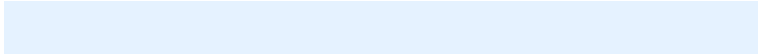
87.3823, 0.2968, 0.3159



87.3823, 0.3304, 0.3359

Square

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



87.3823, 0.2968, 0.3159



87.3823, 0.3199, 0.3207



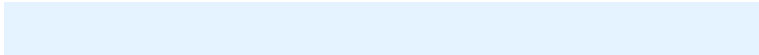
87.3823, 0.3289, 0.3420



87.3823, 0.3055, 0.3375

Rectangle

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



87.3823, 0.2968, 0.3159



87.3823, 0.3078, 0.3144



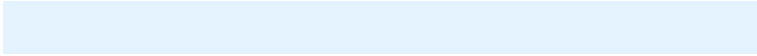
87.3823, 0.3289, 0.3420



87.3823, 0.3174, 0.3441

Sweetspot

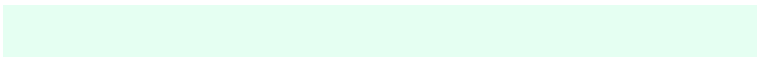
The Sweet Spot groups the original color and five complimentary colors.



87.3860, 0.2968, 0.3159



96.1726, 0.3081, 0.3253



94.5412, 0.3044, 0.3425



20.3698, 0.3069, 0.3243



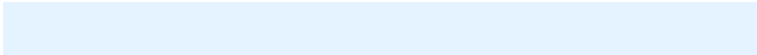
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



87.3860, 0.2968, 0.3159



85.3165, 0.2939, 0.3135



80.1150, 0.2967, 0.3029



18.8856, 0.2979, 0.3169



12.1504, 0.1773, 0.1581



1.4015, 0.1830, 0.1787

Inverse Universe

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



83.6763, 0.3222, 0.3162



81.0642, 0.3241, 0.3139



98.1444, 0.3280, 0.3538



18.1393, 0.3215, 0.3171



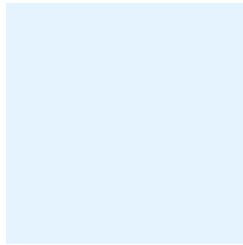
11.9546, 0.4955, 0.2503



1.1860, 0.4702, 0.2364

Previews

White Background



This preview shows how the Yxy color 87.3823, 0.2968, 0.3159 looks on a white background.

Color Contrast Check

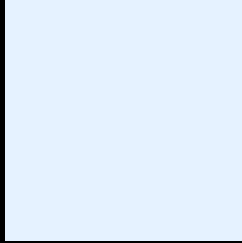
Large Text (above 18pt) WCAG AA × Fail

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 87.3823, 0.2968, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

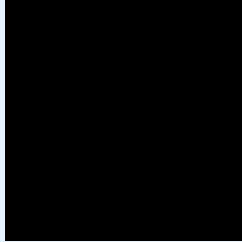
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

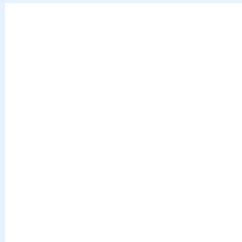
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.3823, 0.2968, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 87.3823, 0.2968, 0.3159.



This preview shows how white text looks on a background with the Yxy color 87.3823, 0.2968, 0.3159.

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

87.3823, 0.2968, 0.3159

Protanopia

87.5256, 0.3056, 0.3151

Deuteranopia

87.1365, 0.3130, 0.3087



Tritanopia

87.4542, 0.2993, 0.3150

Trichromacy



Original Color

87.3823, 0.2968, 0.3159

Protanomaly

87.4805, 0.3024, 0.3150

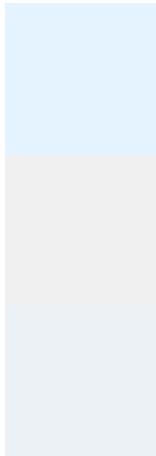
Deuteranomaly

87.2009, 0.3070, 0.3113

Tritanomaly

87.2864, 0.2987, 0.3149

Monochromacy



Original Color

87.3823, 0.2968, 0.3159

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.3360, 0.3071, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3823, 0.2968, 0.3159 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, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 242, 255)  
}
```

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, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 242, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.3823, 0.2968, 0.3159 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, 242, 255) }
```

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

```
.border{ border-color:rgb(229, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 242,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3823, 0.2968, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 242, 255) }
```

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

```
.background{ background-color: rgb(229,  
242, 255) }
```

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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