

Converting Colors

Yxy(84.8328, 0.3000, 0.3124)

Have a look what the booklet for
Yxy(84.8328, 0.3000, 0.3124)
contains.

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Color

Yxy(84.9839, 0.3005, 0.3129)

Conversions

Conversions Part 1

Format	Color
Hex	E9EDFD
RGB	233, 237, 253
RGB Percent	91%, 93%, 99%
CMY	0.0862, 0.0706, 0.0080
CMYK	0.08, 0.06, 0.00, 0.01
HSL	228°, 83%, 95%
HSV	228°, 8%, 99%
XYZ	81.6160, 84.9839, 105.0009
YIQ	237.6280, -7.5200, 4.1280

Conversions

Conversions Part 2

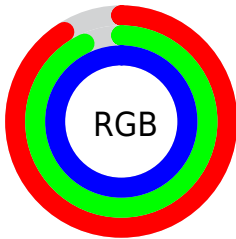
Format	Color
R _Y B	233, 236, 253
Decimal	15330813
CIE Lab	93.88, 1.64, -8.15
CIE LCh	94, 8.316, 281.366
Yxy	84.9839, 0.3005, 0.3129
Android (android.graphics.Color)	4293520893 (0xFFE9EDFD)
YUV	237.6280, 7.5784, -4.0588
Hunter-Lab	92.1867, -3.2946, -3.0007

Details

The Yxy color **84.9839, 0.3005, 0.3129** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.4942, 0.3248, 0.3446**, and the grayscale version is **85.1445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3804, 0.2978, 0.3096** is the 20% darker color. If you saturate the color by 10%, you get **69.9674, 0.2837, 0.2901**, and if you desaturate by 10%, it is **99.8697, 0.3139, 0.3309**.

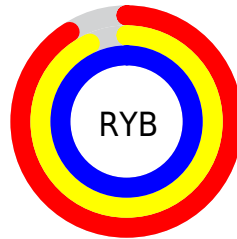
Distribution



Red (91%)

Green (93%)

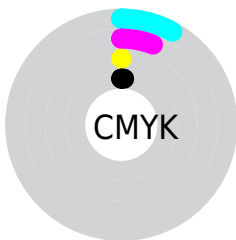
Blue (99%)



Red (91%)

Yellow (93%)

Blue (99%)

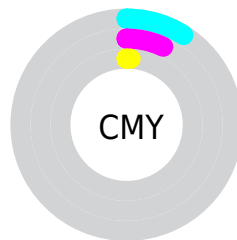


Cyan (8%)

Magenta (6%)

Yellow (0%)

Black (1%)



Cyan (9%)

Magenta (7%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9839, 0.3005, 0.3129 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 84.9839, 0.3005, 0.3129 by changing the saturation by 10% instead.

84.9839, 0.3005,
0.3129

84.9839, 0.3005,
0.3129

511.5748, 0.3060,
0.3201

63.8281, 0.2993,
0.3113

140.3507, 0.3024,
0.3154

46.5114, 0.2978,
0.3094

175.3304, 0.3031,
0.3163

32.6496, 0.2959,
0.3069

215.6869, 0.3038,
0.3172

21.8582, 0.2935,
0.3038

261.8046, 0.3043,
0.3179

13.7527, 0.2903,
0.2997

314.0678, 0.3048,
0.3186

7.9489, 0.2859,
0.2940

372.8610, 0.3053,

4.0622, 0.2793,

0.3191

0.2856

438.5685, 0.3056,
0.3197

■ 1.7084, 0.2683,
0.2718

■ 0.4291, 0.2337,
0.2240

■ 84.9839, 0.3005,
0.3129

■ 84.9839, 0.3005,
0.3129

■ 69.9674, 0.2837,
0.2901

99.8697, 0.3139,
0.3309

■ 56.8101, 0.2654,
0.2647

■ 45.4416, 0.2462,
0.2368

■ 35.7833, 0.2266,
0.2073

■ 27.7502, 0.2073,
0.1770

■ 21.2502, 0.1897,
0.1474

■ 16.1810, 0.1746,
0.1204

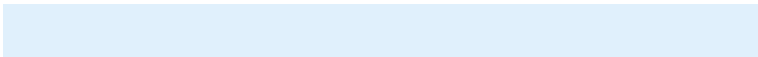
■ 12.4271, 0.1633,
0.0975

■ 9.8481, 0.1560,
0.0802

Harmonies

Analogous

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



84.9839, 0.2953, 0.3160



84.9839, 0.3005, 0.3129



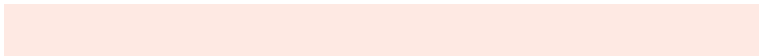
84.9839, 0.3090, 0.3141

Triad

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



84.9839, 0.3005, 0.3129



84.9839, 0.3311, 0.3350



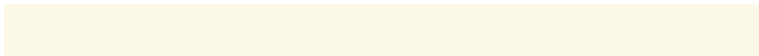
84.9839, 0.3066, 0.3393

Complementary

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



84.9839, 0.3005, 0.3129



94.4942, 0.3248, 0.3446

Split Complementary

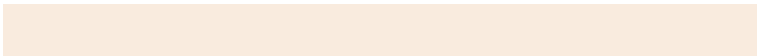
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9839, 0.3162, 0.3445



84.9839, 0.3005, 0.3129



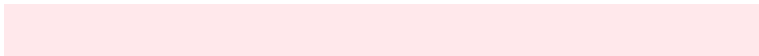
84.9839, 0.3304, 0.3419

Square

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



84.9839, 0.3005, 0.3129



84.9839, 0.3268, 0.3267



84.9839, 0.3249, 0.3454



84.9839, 0.2988, 0.3312

Rectangle

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



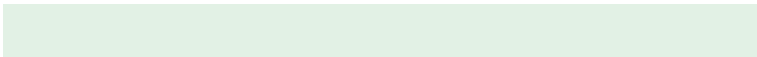
84.9839, 0.3005, 0.3129



84.9839, 0.3155, 0.3170



84.9839, 0.3249, 0.3454



84.9839, 0.3098, 0.3414

Sweetspot

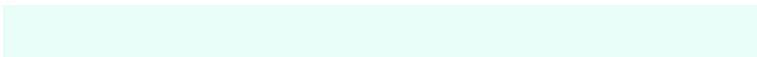
The Sweet Spot groups the original color and five complimentary colors.



84.9875, 0.3005, 0.3129



96.4705, 0.3097, 0.3251



94.3722, 0.3029, 0.3333



20.6857, 0.3099, 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.



84.9875, 0.3005, 0.3129



84.7466, 0.2987, 0.3105



83.6670, 0.3042, 0.3090



17.9664, 0.2979, 0.3094



5.1770, 0.1554, 0.0794



0.6491, 0.1607, 0.0985

Inverse Universe

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



85.2758, 0.3238, 0.3251



85.0950, 0.3255, 0.3245



95.9441, 0.3208, 0.3486



18.0465, 0.3263, 0.3243



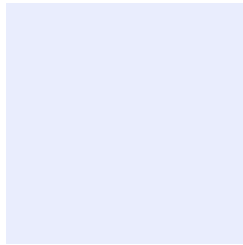
11.2506, 0.6079, 0.3123



1.1101, 0.5782, 0.2959

Previews

White Background



This preview shows how the Yxy color 84.9839, 0.3005, 0.3129 looks on a white background.

Color Contrast Check

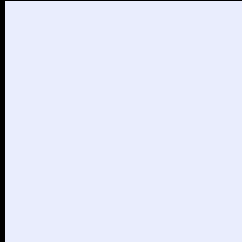
Large Text (above 18pt) WCAG AA × Fail

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 84.9839, 0.3005, 0.3129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

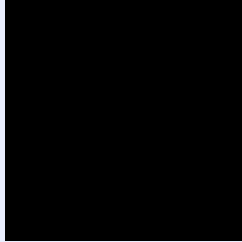
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

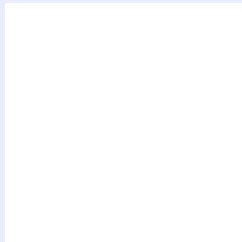
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9839, 0.3005, 0.3129

Background



This preview shows how black text looks on a background with the Yxy color 84.9839, 0.3005, 0.3129.



This preview shows how white text looks on a background with the Yxy color 84.9839, 0.3005, 0.3129.

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

84.9839, 0.3005, 0.3129

Protanopia

85.0237, 0.3036, 0.3130

Deuteranopia

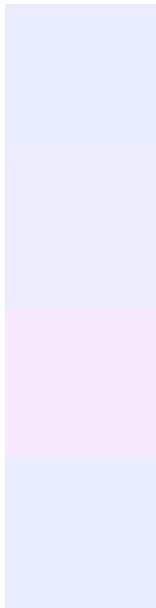
84.6320, 0.3131, 0.3057



Tritanopia

85.1120, 0.2993, 0.3109

Trichromacy



Original Color

84.9839, 0.3005, 0.3129

Protanomaly

84.8520, 0.3030, 0.3129

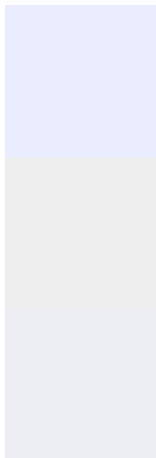
Deuteranomaly

85.0264, 0.3084, 0.3083

Tritanomaly

85.0478, 0.2999, 0.3119

Monochromacy



Original Color

84.9839, 0.3005, 0.3129

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.4530, 0.3084, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9839, 0.3005, 0.3129 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(233, 237, 253)` looks like.

```
.text, #text, p{  
    color:rgb(233, 237, 253)  
}
```

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(233, 237, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 237, 253) }
```

Border

The CSS property to change the border of an element to Yxy 84.9839, 0.3005, 0.3129 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(233, 237, 253) }
```

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

```
.border{ border-color:rgb(233, 237, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 237, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(233, 237, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(233, 237, 253); box-shadow:4px 4px 4px 4px rgb(233, 237, 253) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9839, 0.3005, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 237, 253) }
```

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

```
.background{ background-color: rgb(233,  
237, 253) }
```

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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