

Converting Colors

$Yxy(85.0713, 0.2987, 0.3111)$

Have a look what the booklet for
Yxy(85.0713, 0.2987, 0.3111)
contains.

Yxy(84.9442, 0.2987, 0.3109)	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(84.9442, 0.2987, 0.3109)

Conversions

Conversions Part 1

Format	Color
Hex	E8EDFF
RGB	232, 237, 255
RGB Percent	91%, 93%, 100%
CMY	0.0901, 0.0706, 0.0002
CMYK	0.09, 0.07, 0.00, 0.00
HSL	227°, 100%, 95%
HSV	227°, 9%, 100%
XYZ	81.6109, 84.9442, 106.6652
YIQ	237.5570, -8.7580, 4.5380

Conversions

Conversions Part 2

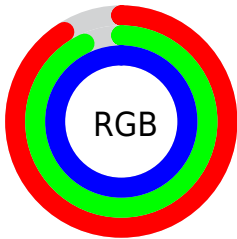
Format	Color
R _Y B	232, 236, 255
Decimal	15265279
CIE Lab	93.86, 1.70, -9.22
CIE LCh	94, 9.376, 280.462
Yxy	84.9442, 0.2987, 0.3109
Android (android.graphics.Color)	4293455359 (0xFFE8EDFF)
YUV	237.5570, 8.5994, -4.8735
Hunter-Lab	92.1652, -3.2299, -4.1023

Details

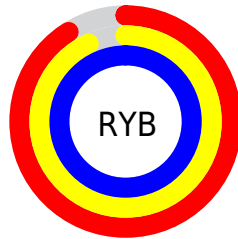
The Yxy color **84.9442, 0.2987, 0.3109** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **95.4311, 0.3266, 0.3465**, and the grayscale version is **85.0798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3551, 0.2955, 0.3070** is the 20% darker color. If you saturate the color by 10%, you get **70.0677, 0.2817, 0.2883**, and if you desaturate by 10%, it is **99.9973, 0.3127, 0.3290**.

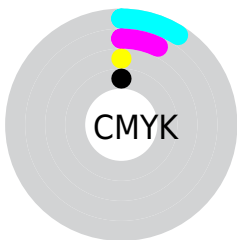
Distribution



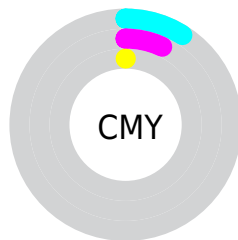
- Red (91%)
- Green (93%)
- Blue (100%)



- Red (91%)
- Yellow (93%)
- Blue (100%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9442, 0.2987, 0.3109 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 84.9442, 0.2987, 0.3109 by changing the saturation by 10% instead.

84.9442, 0.2987,
0.3109

84.9442, 0.2987,
0.3109

511.4434, 0.3050,
0.3190

63.7953, 0.2973,
0.3091

140.2952, 0.3009,
0.3137

46.4849, 0.2956,
0.3069

175.2661, 0.3017,
0.3148

32.6286, 0.2935,
0.3042

215.6131, 0.3024,
0.3157

21.8421, 0.2907,
0.3007

261.7206, 0.3031,
0.3165

13.7409, 0.2871,
0.2961

313.9729, 0.3036,
0.3173

7.9407, 0.2820,
0.2897

372.7546, 0.3042,

4.0570, 0.2744,

0.3179

0.2803

438.4500, 0.3046,
0.3185

■ 1.7055, 0.2620,
0.2650

■ 0.4272, 0.2247,
0.2145

■ 84.9442, 0.2987,
0.3109

■ 84.9442, 0.2987,
0.3109

■ 70.0677, 0.2817,
0.2883

99.9973, 0.3127,
0.3290

■ 57.0235, 0.2635,
0.2632

■ 45.7426, 0.2443,
0.2357

■ 36.1476, 0.2249,
0.2066

■ 28.1548, 0.2060,
0.1768

■ 21.6734, 0.1887,
0.1478

■ 16.6025, 0.1741,
0.1212

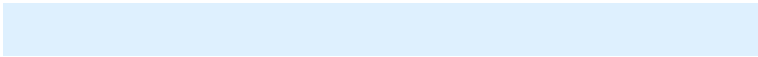
■ 12.8280, 0.1632,
0.0987

■ 10.2040, 0.1561,
0.0815

Harmonies

Analogous

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



84.9442, 0.2930, 0.3145



84.9442, 0.2987, 0.3109



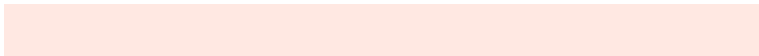
84.9442, 0.3082, 0.3121

Triad

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



84.9442, 0.2987, 0.3109



84.9442, 0.3334, 0.3354



84.9442, 0.3062, 0.3408

Complementary

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



84.9442, 0.2987, 0.3109



95.4311, 0.3266, 0.3465

Split Complementary

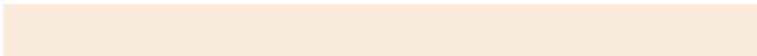
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9442, 0.3170, 0.3467



84.9442, 0.2987, 0.3109



84.9442, 0.3328, 0.3433

Square

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



84.9442, 0.2987, 0.3109



84.9442, 0.3284, 0.3261



84.9442, 0.3267, 0.3475



84.9442, 0.2972, 0.3317

Rectangle

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



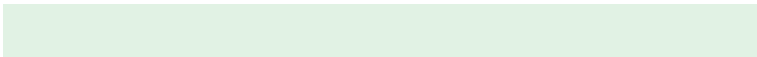
84.9442, 0.2987, 0.3109



84.9442, 0.3155, 0.3154



84.9442, 0.3267, 0.3475



84.9442, 0.3097, 0.3433

Sweetspot

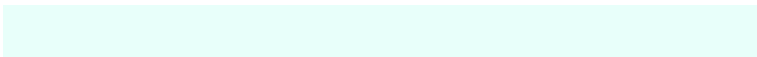
The Sweet Spot groups the original color and five complimentary colors.



84.9478, 0.2987, 0.3109



94.8176, 0.3082, 0.3232



95.5291, 0.3017, 0.3343



20.0048, 0.3069, 0.3216



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.



84.9478, 0.2987, 0.3109



81.8488, 0.2954, 0.3066



83.1407, 0.3026, 0.3061



18.0180, 0.2979, 0.3098



5.3996, 0.1562, 0.0823



0.6777, 0.1617, 0.1021

Inverse Universe

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



85.0897, 0.3252, 0.3241



82.0569, 0.3283, 0.3230



97.4306, 0.3222, 0.3515



18.0517, 0.3260, 0.3239



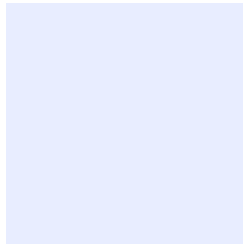
11.2731, 0.6032, 0.3097



1.1130, 0.5727, 0.2929

Previews

White Background



This preview shows how the Yxy color 84.9442, 0.2987, 0.3109 looks on a white background.

Color Contrast Check

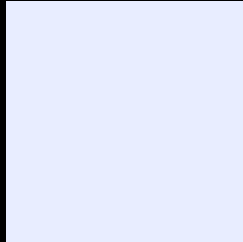
Large Text (above 18pt) WCAG AA × Fail

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 84.9442, 0.2987, 0.3109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

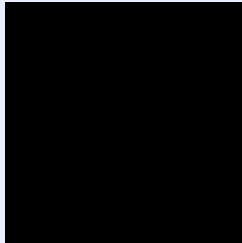
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

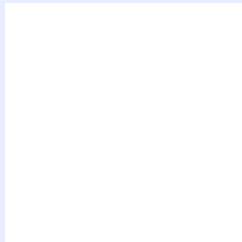
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9442, 0.2987, 0.3109

Background



This preview shows how black text looks on a background with the Yxy color 84.9442, 0.2987, 0.3109.



This preview shows how white text looks on a background with the Yxy color 84.9442, 0.2987, 0.3109.

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

84.9442, 0.2987, 0.3109

Protanopia

84.9795, 0.3018, 0.3110

Deuteranopia

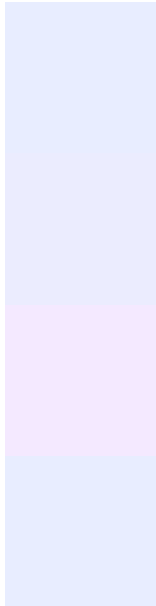
84.8811, 0.3111, 0.3056



Tritanopia

84.9442, 0.2987, 0.3109

Trichromacy



Original Color

84.9442, 0.2987, 0.3109

Protanomaly

84.8088, 0.3012, 0.3109

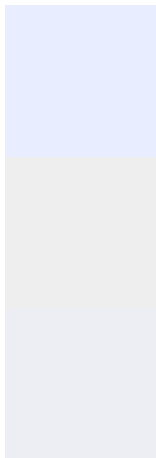
Deuteranomaly

84.7309, 0.3064, 0.3073

Tritanomaly

84.9442, 0.2987, 0.3109

Monochromacy



Original Color

84.9442, 0.2987, 0.3109

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.5136, 0.3078, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9442, 0.2987, 0.3109 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(232, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 237, 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(232, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.9442, 0.2987, 0.3109 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(232, 237, 255) }
```

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

```
.border{ border-color:rgb(232, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9442, 0.2987, 0.3109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 237, 255) }
```

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

```
.background{ background-color: rgb(232,  
237, 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](#).

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