

Converting Colors

Yxy(86.4996, 0.3022, 0.3011)

Have a look what the booklet for
Yxy(86.4996, 0.3022, 0.3011)
contains.

Yxy(86.0491, 0.3070, 0.3093)	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(86.0491, 0.3070, 0.3093)

Conversions

Conversions Part 1

Format	Color
Hex	F5EBFF
RGB	245, 235, 255
RGB Percent	96%, 92%, 100%
CMY	0.0394, 0.0784, 0.0000
CMYK	0.04, 0.08, 0.00, 0.00
HSL	270°, 100%, 96%
HSV	270°, 8%, 100%
XYZ	85.4092, 86.0491, 106.7476
YIQ	240.2700, -0.4600, 8.3400

Conversions

Conversions Part 2

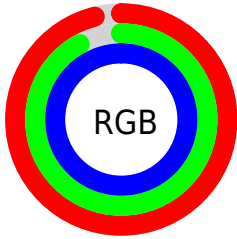
Format	Color
R _Y B	245, 235, 255
Decimal	16116735
CIE Lab	94.33, 6.92, -8.45
CIE LCh	94, 10.925, 309.300
Yxy	86.0491, 0.3070, 0.3093
Android (android.graphics.Color)	4294306815 (0xFF5EBFF)
YUV	240.2700, 7.2619, 4.1482
Hunter-Lab	92.7627, 2.0154, -3.2947

Details

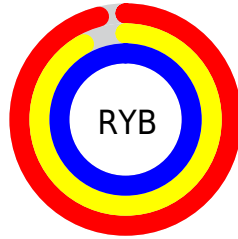
The Yxy color **86.0491, 0.3070, 0.3093** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **96.9406, 0.3181, 0.3487**, and the grayscale version is **87.2988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1362, 0.3062, 0.3052** is the 20% darker color. If you saturate the color by 10%, you get **70.2553, 0.2986, 0.2824**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

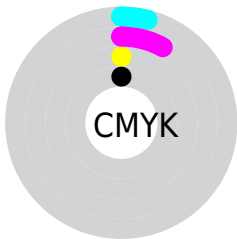
Distribution



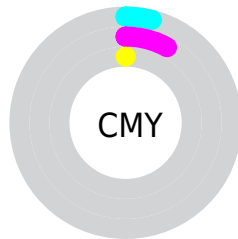
- Red (96%)
- Green (92%)
- Blue (100%)



- Red (96%)
- Yellow (92%)
- Blue (100%)



- Cyan (4%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.0491, 0.3070, 0.3093 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 86.0491, 0.3070, 0.3093 by changing the saturation by 10% instead.


 86.0491, 0.3070,
0.3093

 86.0491, 0.3070,
0.3093


515.0931, 0.3096,
0.3180

 64.7086, 0.3064,
0.3074

141.8380, 0.3079,
0.3123

 47.2248, 0.3057,
0.3051


177.0552, 0.3083,
0.3134

 33.2134, 0.3048,
0.3022


217.6667, 0.3086,
0.3145

 22.2900, 0.3036,
0.2985

264.0569, 0.3088,
0.3153

 14.0701, 0.3020,
0.2937

316.6103, 0.3091,
0.3161

 8.1695, 0.2998,
0.2871

375.7112, 0.3093,

 4.2036, 0.2964,

0.3168

0.2774

441.7440, 0.3094,
0.3175

■ 1.7881, 0.2907,
0.2620

■ 0.4797, 0.2807,
0.2155

■ 86.0491, 0.3070,
0.3093

■ 86.0491, 0.3070,
0.3093

■ 70.2553, 0.2986,
0.2824

100.0000, 0.3127,
0.3290

■ 56.6209, 0.2889,
0.2536

■ 45.0489, 0.2779,
0.2237

■ 35.4332, 0.2658,
0.1937

■ 27.6580, 0.2527,
0.1649

■ 21.5949, 0.2393,
0.1387

■ 17.0983, 0.2260,
0.1168

■ 13.9966, 0.2135,
0.1003

■ 12.0620, 0.2023,
0.0895

Harmonies

Analogous

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



86.0491, 0.2961, 0.3081



86.0491, 0.3070, 0.3093



86.0491, 0.3196, 0.3155

Triad

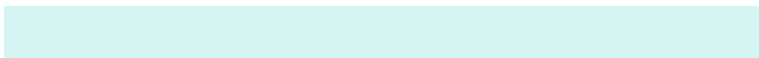
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.0491, 0.3070, 0.3093



86.0491, 0.3362, 0.3453



86.0491, 0.2951, 0.3326

Complementary

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



86.0491, 0.3070, 0.3093



96.9406, 0.3181, 0.3487

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.



86.0491, 0.3056, 0.3431



86.0491, 0.3070, 0.3093



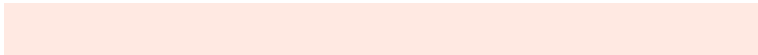
86.0491, 0.3293, 0.3504

Square

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



86.0491, 0.3070, 0.3093



86.0491, 0.3367, 0.3360



86.0491, 0.3181, 0.3497



86.0491, 0.2894, 0.3213

Rectangle

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



86.0491, 0.3070, 0.3093



86.0491, 0.3273, 0.3217



86.0491, 0.3181, 0.3497



86.0491, 0.2982, 0.3364

Sweetspot

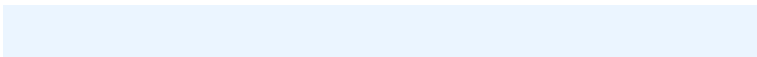
The Sweet Spot groups the original color and five complimentary colors.



86.0502, 0.3070, 0.3093



96.3065, 0.3113, 0.3241



90.3952, 0.3006, 0.3194



20.6523, 0.3114, 0.3244



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.



86.0502, 0.3070, 0.3093



84.1005, 0.3061, 0.3063



87.8414, 0.3134, 0.3097



17.8218, 0.3057, 0.3050



6.2162, 0.2017, 0.0885



0.6702, 0.2139, 0.0952

Inverse Universe

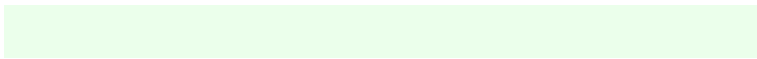
The Inverse Universe completely reimagines the original color for something new.



87.2802, 0.3198, 0.3193



85.5073, 0.3210, 0.3178



95.2402, 0.3120, 0.3490



18.1393, 0.3215, 0.3171



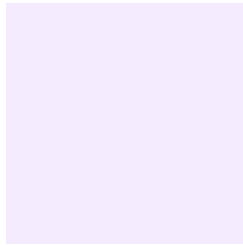
11.9543, 0.4955, 0.2503



1.1860, 0.4702, 0.2364

Previews

White Background



This preview shows how the Yxy color 86.0491, 0.3070, 0.3093 looks on a white background.

Color Contrast Check

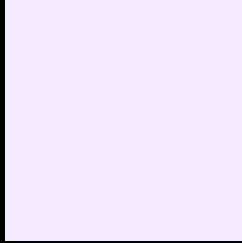
Large Text (above 18pt) WCAG AA × Fail

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 86.0491, 0.3070, 0.3093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

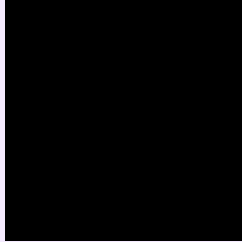
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

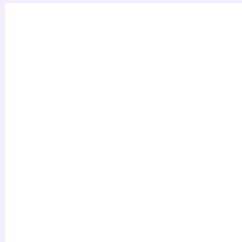
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.0491, 0.3070, 0.3093

Background



This preview shows how black text looks on a background with the Yxy color 86.0491, 0.3070, 0.3093.

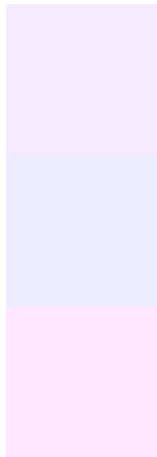


This preview shows how white text looks on a background with the Yxy color 86.0491, 0.3070, 0.3093.

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

86.0491, 0.3070, 0.3093

Protanopia

85.9655, 0.3025, 0.3111

Deuteranopia

86.0041, 0.3131, 0.3068



Tritanopia

85.9849, 0.3077, 0.3103

Trichromacy



Original Color

86.0491, 0.3070, 0.3093

Protanomaly

85.9117, 0.3044, 0.3102

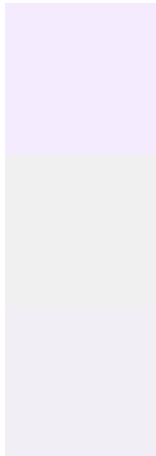
Deuteranomaly

86.0071, 0.3111, 0.3076

Tritanomaly

85.9849, 0.3077, 0.3103

Monochromacy



Original Color

86.0491, 0.3070, 0.3093

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.6189, 0.3111, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.0491, 0.3070, 0.3093 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(245, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 235, 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(245, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.0491, 0.3070, 0.3093 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(245, 235, 255) }
```

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

```
.border{ border-color:rgb(245, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.0491, 0.3070, 0.3093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 235, 255) }
```

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

```
.background{ background-color: rgb(245,  
235, 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