

Converting Colors

$Yxy(88.2534, 0.2879, 0.2907)$

Have a look what the booklet for
Yxy(88.2534, 0.2879, 0.2907)
contains.

Yxy(86.7859, 0.3012, 0.3130)	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(86.7859, 0.3012, 0.3130)

Conversions

Conversions Part 1

Format	Color
Hex	ECEFFF
RGB	236, 239, 255
RGB Percent	93%, 94%, 100%
CMY	0.0744, 0.0627, 0.0000
CMYK	0.07, 0.06, 0.00, 0.00
HSL	231°, 100%, 96%
HSV	231°, 7%, 100%
XYZ	83.5141, 86.7859, 106.9712
YIQ	239.9270, -6.9240, 4.3400

Conversions

Conversions Part 2

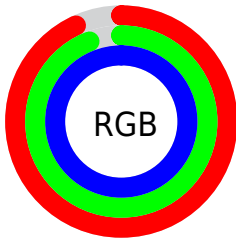
Format	Color
R _Y B	236, 239, 255
Decimal	15527935
CIE Lab	94.65, 1.97, -8.05
CIE LCh	95, 8.289, 283.753
Yxy	86.7859, 0.3012, 0.3130
Android (android.graphics.Color)	4293718015 (0xFFECEFFF)
YUV	239.9270, 7.4310, -3.4440
Hunter-Lab	93.1590, -3.0085, -2.8694

Details

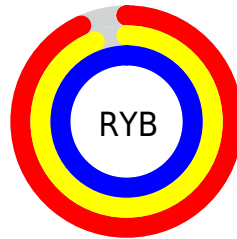
The Yxy color **86.7859, 0.3012, 0.3130** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **96.9480, 0.3241, 0.3445**, and the grayscale version is **87.0253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.6475, 0.2988, 0.3098** is the 20% darker color. If you saturate the color by 10%, you get **70.8853, 0.2843, 0.2891**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

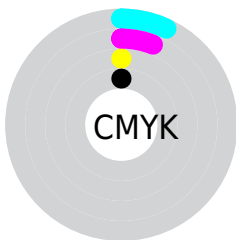
Distribution



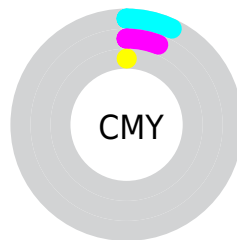
- Red (93%)
- Green (94%)
- Blue (100%)



- Red (93%)
- Yellow (94%)
- Blue (100%)



- Cyan (7%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.7859, 0.3012, 0.3130 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 86.7859, 0.3012, 0.3130 by changing the saturation by 10% instead.

86.7859, 0.3012,
0.3130

86.7859, 0.3012,
0.3130

517.5191, 0.3064,
0.3201

65.3180, 0.3001,
0.3114

142.8657, 0.3030,
0.3154

47.7190, 0.2987,
0.3095

178.2464, 0.3037,
0.3164

33.6044, 0.2969,
0.3071

219.0335, 0.3043,
0.3172

22.5899, 0.2947,
0.3041

265.6114, 0.3048,
0.3179

14.2910, 0.2917,
0.3001

318.3646, 0.3053,
0.3186

8.3233, 0.2876,
0.2945

377.6773, 0.3057,

4.3025, 0.2815,

0.3192

0.2864

443.9340, 0.3060,
0.3197

■ 1.8442, 0.2715,
0.2732

■ 0.5145, 0.2460,
0.2356

■ 86.7859, 0.3012,
0.3130

■ 86.7859, 0.3012,
0.3130

■ 70.8853, 0.2843,
0.2891

100.0000, 0.3127,
0.3290

■ 57.0232, 0.2659,
0.2623

■ 45.1187, 0.2463,
0.2330

■ 35.0825, 0.2262,
0.2020

■ 26.8186, 0.2064,
0.1704

■ 20.2219, 0.1882,
0.1399

■ 15.1762, 0.1729,
0.1126

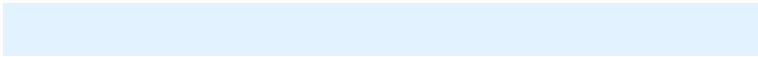
■ 11.5493, 0.1614,
0.0903

■ 9.1828, 0.1544,
0.0743

Harmonies

Analogous

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



86.7859, 0.2957, 0.3157



86.7859, 0.3012, 0.3130



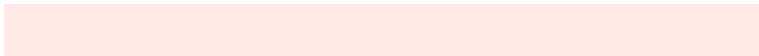
86.7859, 0.3098, 0.3145

Triad

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



86.7859, 0.3012, 0.3130



86.7859, 0.3311, 0.3355



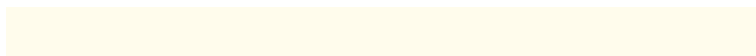
86.7859, 0.3060, 0.3386

Complementary

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



86.7859, 0.3012, 0.3130



96.9480, 0.3241, 0.3445

Split Complementary

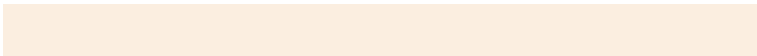
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7859, 0.3154, 0.3441



86.7859, 0.3012, 0.3130



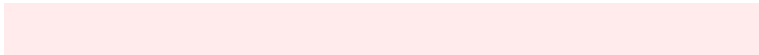
86.7859, 0.3300, 0.3422

Square

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



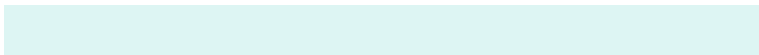
86.7859, 0.3012, 0.3130



86.7859, 0.3272, 0.3273



86.7859, 0.3242, 0.3454



86.7859, 0.2985, 0.3305

Rectangle

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



86.7859, 0.3012, 0.3130



86.7859, 0.3162, 0.3176



86.7859, 0.3242, 0.3454



86.7859, 0.3090, 0.3408

Sweetspot

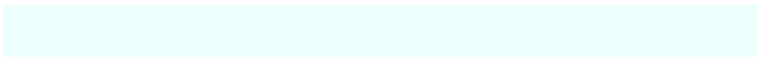
The Sweet Spot groups the original color and five complimentary colors.



86.7884, 0.3012, 0.3130



96.3336, 0.3097, 0.3249



96.3735, 0.3029, 0.3321



20.6578, 0.3099, 0.3251



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.



86.7884, 0.3012, 0.3130



84.1779, 0.2987, 0.3095



86.1582, 0.3053, 0.3102



17.8386, 0.2979, 0.3083



4.7042, 0.1536, 0.0730



0.5848, 0.1584, 0.0902

Inverse Universe

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



87.4920, 0.3236, 0.3261



85.0376, 0.3261, 0.3255



97.6566, 0.3198, 0.3475



18.0336, 0.3270, 0.3253



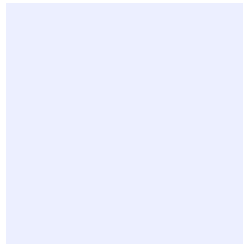
11.2029, 0.6183, 0.3180



1.1036, 0.5909, 0.3029

Previews

White Background



This preview shows how the Yxy color 86.7859, 0.3012, 0.3130 looks on a white background.

Color Contrast Check

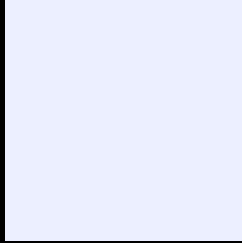
Large Text (above 18pt) WCAG AA × Fail

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 86.7859, 0.3012, 0.3130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

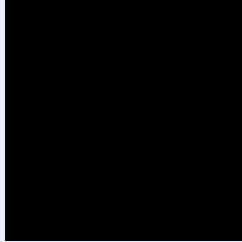
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

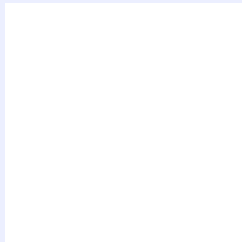
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7859, 0.3012, 0.3130

Background



This preview shows how black text looks on a background with the Yxy color 86.7859, 0.3012, 0.3130.



This preview shows how white text looks on a background with the Yxy color 86.7859, 0.3012, 0.3130.

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

86.7859, 0.3012, 0.3130

Protanopia

86.6556, 0.3037, 0.3131

Deuteranopia

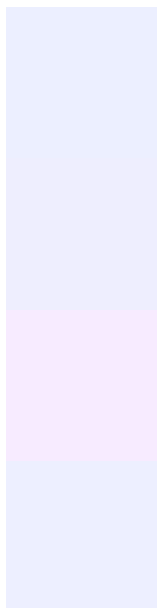
86.5687, 0.3130, 0.3077



Tritanopia

86.9575, 0.3018, 0.3131

Trichromacy



Original Color

86.7859, 0.3012, 0.3130

Protanomaly

86.4820, 0.3031, 0.3131

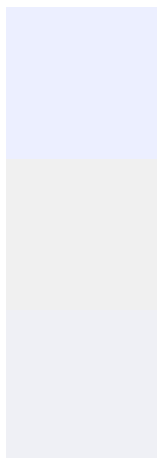
Deuteranomaly

86.4108, 0.3084, 0.3094

Tritanomaly

86.9575, 0.3018, 0.3131

Monochromacy



Original Color

86.7859, 0.3012, 0.3130

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.2635, 0.3090, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7859, 0.3012, 0.3130 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(236, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 239, 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(236, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.7859, 0.3012, 0.3130 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(236, 239, 255) }
```

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

```
.border{ border-color:rgb(236, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7859, 0.3012, 0.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 239, 255) }
```

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

```
.background{ background-color: rgb(236,  
239, 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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