

Converting Colors

$Yxy(86.0312, 0.3006, 0.3120)$

Have a look what the booklet for
Yxy(86.0312, 0.3006, 0.3120)
contains.

Yxy(86.0312, 0.3006, 0.3120)	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(86.0312, 0.3006, 0.3120)

Conversions

Conversions Part 1

Format	Color
Hex	EBEEFF
RGB	235, 238, 255
RGB Percent	92%, 93%, 100%
CMY	0.0783, 0.0667, 0.0001
CMYK	0.08, 0.07, 0.00, 0.00
HSL	231°, 100%, 96%
HSV	231°, 8%, 100%
XYZ	82.8878, 86.0312, 106.8221
YIQ	239.0410, -7.2450, 4.6510

Conversions

Conversions Part 2

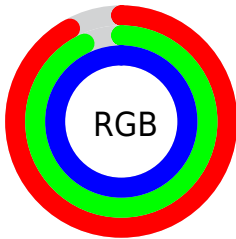
Format	Color
R_{YB}	235, 238, 255
Decimal	15462143
CIE _{Lab}	94.33, 2.16, -8.51
CIE _{LCh}	94, 8.782, 284.217
Yxy	86.0312, 0.3006, 0.3120
Android (android.graphics.Color)	4293652223 (0xFFEBEEFF)
YUV	239.0410, 7.8678, -3.5440
Hunter-Lab	92.7530, -2.8031, -3.3562

Details

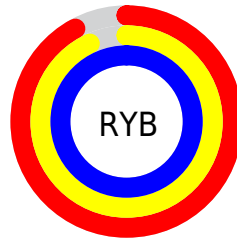
The Yxy color **86.0312, 0.3006, 0.3120** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **96.8748, 0.3246, 0.3454**, and the grayscale version is **86.2959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1168, 0.2979, 0.3085** is the 20% darker color. If you saturate the color by 10%, you get **70.1204, 0.2836, 0.2877**, and if you desaturate by 10%, it is **99.9984, 0.3127, 0.3290**.

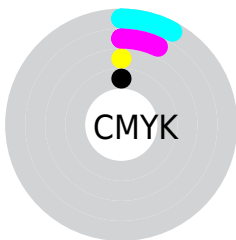
Distribution



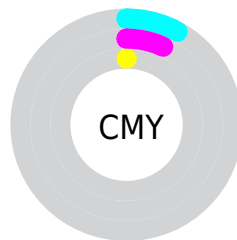
- Red (92%)
- Green (93%)
- Blue (100%)



- Red (92%)
- Yellow (93%)
- Blue (100%)



- Cyan (8%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.0312, 0.3006, 0.3120 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 86.0312, 0.3006, 0.3120 by changing the saturation by 10% instead.

86.0312, 0.3006,
0.3120

86.0312, 0.3006,
0.3120

515.0341, 0.3060,
0.3196

64.6938, 0.2994,
0.3103

141.8130, 0.3025,
0.3146

47.2128, 0.2979,
0.3083

177.0262, 0.3032,
0.3156

33.2039, 0.2961,
0.3058

217.6334, 0.3038,
0.3165

22.2827, 0.2937,
0.3025

264.0191, 0.3044,
0.3173

14.0648, 0.2906,
0.2982

316.5676, 0.3049,
0.3179

8.1657, 0.2862,
0.2923

375.6634, 0.3053,

4.2012, 0.2797,

0.3186

0.2836

441.6907, 0.3057,
0.3191

■ 1.7867, 0.2691,
0.2695

■ 0.4789, 0.2405,
0.2268

■ 86.0312, 0.3006,
0.3120

■ 86.0312, 0.3006,
0.3120

■ 70.1204, 0.2836,
0.2877

99.9984, 0.3127,
0.3290

■ 56.2700, 0.2651,
0.2606

■ 44.3982, 0.2454,
0.2309

■ 34.4140, 0.2252,
0.1996

■ 26.2189, 0.2054,
0.1678

■ 19.7052, 0.1872,
0.1373

■ 14.7537, 0.1720,
0.1101

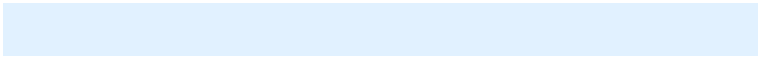
■ 11.2283, 0.1607,
0.0882

■ 8.9644, 0.1539,
0.0727

Harmonies

Analogous

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



86.0312, 0.2947, 0.3148



86.0312, 0.3006, 0.3120



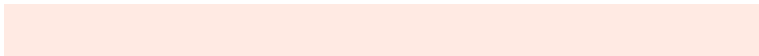
86.0312, 0.3098, 0.3137

Triad

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



86.0312, 0.3006, 0.3120



86.0312, 0.3323, 0.3361



86.0312, 0.3054, 0.3391

Complementary

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



86.0312, 0.3006, 0.3120



96.8748, 0.3246, 0.3454

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.



86.0312, 0.3154, 0.3450



86.0312, 0.3006, 0.3120



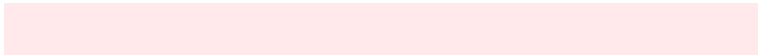
86.0312, 0.3310, 0.3431

Square

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



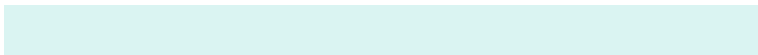
86.0312, 0.3006, 0.3120



86.0312, 0.3282, 0.3274



86.0312, 0.3248, 0.3464



86.0312, 0.2975, 0.3304

Rectangle

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



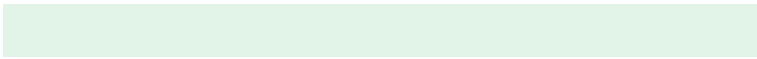
86.0312, 0.3006, 0.3120



86.0312, 0.3166, 0.3170



86.0312, 0.3248, 0.3464



86.0312, 0.3086, 0.3415

Sweetspot

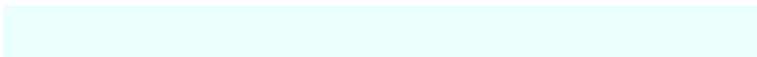
The Sweet Spot groups the original color and five complimentary colors.



86.0348, 0.3006, 0.3120



96.3082, 0.3097, 0.3248



96.1975, 0.3022, 0.3319



20.6526, 0.3099, 0.3250



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.



86.0348, 0.3006, 0.3120



84.0724, 0.2987, 0.3093



85.5282, 0.3051, 0.3093



17.8149, 0.2979, 0.3081



4.6285, 0.1533, 0.0720



0.5738, 0.1580, 0.0887

Inverse Universe

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



86.8596, 0.3243, 0.3261



85.0270, 0.3262, 0.3257



97.4586, 0.3199, 0.3485



18.0312, 0.3271, 0.3255



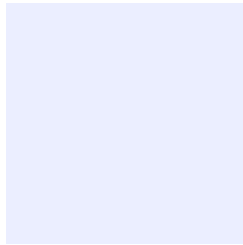
11.1952, 0.6200, 0.3189



1.1025, 0.5931, 0.3041

Previews

White Background



This preview shows how the Yxy color 86.0312, 0.3006, 0.3120 looks on a white background.

Color Contrast Check

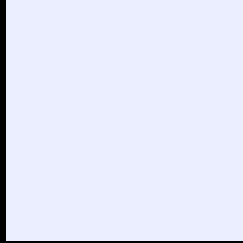
Large Text (above 18pt) WCAG AA × Fail

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 86.0312, 0.3006, 0.3120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

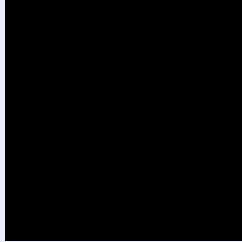
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.0312, 0.3006, 0.3120

Background



This preview shows how black text looks on a background with the Yxy color 86.0312, 0.3006, 0.3120.



This preview shows how white text looks on a background with the Yxy color 86.0312, 0.3006, 0.3120.

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

86.0312, 0.3006, 0.3120

Protanopia

85.9013, 0.3031, 0.3120

Deuteranopia

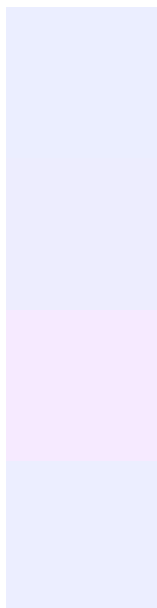
85.8159, 0.3124, 0.3067



Tritanopia

86.2019, 0.3012, 0.3120

Trichromacy



Original Color

86.0312, 0.3006, 0.3120

Protanomaly

85.7287, 0.3024, 0.3120

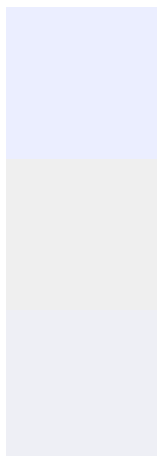
Deuteranomaly

85.6585, 0.3077, 0.3084

Tritanomaly

86.2019, 0.3012, 0.3120

Monochromacy



Original Color

86.0312, 0.3006, 0.3120

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.5027, 0.3084, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.0312, 0.3006, 0.3120 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(235, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 238, 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(235, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.0312, 0.3006, 0.3120 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(235, 238, 255) }
```

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

```
.border{ border-color:rgb(235, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.0312, 0.3006, 0.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 238, 255) }
```

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

```
.background{ background-color: rgb(235,  
238, 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