

Converting Colors

$Yxy(85.6310, 0.3023, 0.3106)$

Have a look what the booklet for
Yxy(85.6310, 0.3023, 0.3106)
contains.

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Color

Yxy(85.9655, 0.3025, 0.3111)

Conversions

Conversions Part 1

Format	Color
Hex	EEEDFF
RGB	238, 237, 255
RGB Percent	93%, 93%, 100%
CMY	0.0667, 0.0705, 0.0001
CMYK	0.07, 0.07, 0.00, 0.00
HSL	243°, 100%, 96%
HSV	243°, 7%, 100%
XYZ	83.5891, 85.9655, 106.7730
YIQ	239.3510, -5.1820, 5.8100

Conversions

Conversions Part 2

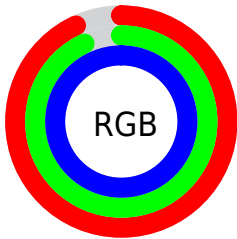
Format	Color
R _Y B	238, 237, 255
Decimal	15658495
CIE Lab	94.30, 3.62, -8.53
CIE LCh	94, 9.268, 293.001
Yxy	85.9655, 0.3025, 0.3111
Android (android.graphics.Color)	4293848575 (0xFFEEEDFF)
YUV	239.3510, 7.7150, -1.1848
Hunter-Lab	92.7176, -1.3300, -3.3757

Details

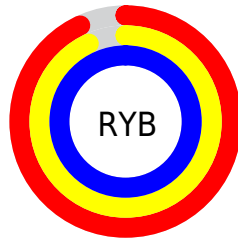
The Yxy color **85.9655, 0.3025, 0.3111** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **98.6882, 0.3226, 0.3464**, and the grayscale version is **86.5468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0700, 0.3004, 0.3073** is the 20% darker color. If you saturate the color by 10%, you get **68.3427, 0.2862, 0.2828**, and if you desaturate by 10%, it is **99.9984, 0.3127, 0.3290**.

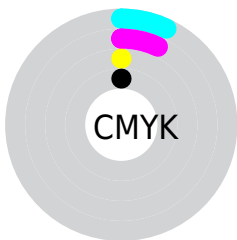
Distribution



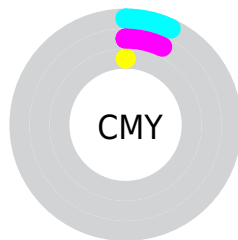
- Red (93%)
- Green (93%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.9655, 0.3025, 0.3111 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 85.9655, 0.3025, 0.3111 by changing the saturation by 10% instead.

 85.9655, 0.3025,
0.3111

 85.9655, 0.3025,
0.3111


514.8174, 0.3071,
0.3191

 64.6394, 0.3015,
0.3093


141.7213, 0.3041,
0.3138

 47.1688, 0.3002,
0.3072


176.9199, 0.3047,
0.3149

 33.1691, 0.2987,
0.3046


217.5115, 0.3052,
0.3158

 22.2560, 0.2966,
0.3012

263.8804, 0.3057,
0.3166

 14.0451, 0.2940,
0.2967

316.4110, 0.3061,
0.3173

 8.1521, 0.2902,
0.2906

375.4878, 0.3065,

 4.1924, 0.2846,

0.3180

0.2815

441.4952, 0.3068,
0.3186

■ 1.7818, 0.2754,
0.2670

■ 0.4758, 0.2528,
0.2224

■ 85.9655, 0.3025,
0.3111

■ 85.9655, 0.3025,
0.3111

■ 68.3427, 0.2862,
0.2828

99.9984, 0.3127,
0.3290

■ 53.2637, 0.2680,
0.2513

■ 40.6143, 0.2480,
0.2172

■ 30.2673, 0.2270,
0.1818

■ 22.0841, 0.2061,
0.1470

■ 15.9110, 0.1868,
0.1153

■ 11.5742, 0.1706,
0.0895

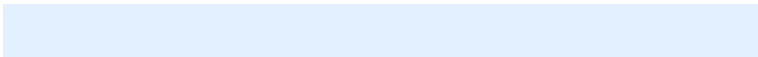
■ 8.8703, 0.1590,
0.0716

■ 7.5425, 0.1523,
0.0623

Harmonies

Analogous

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



85.9655, 0.2951, 0.3127



85.9655, 0.3025, 0.3111



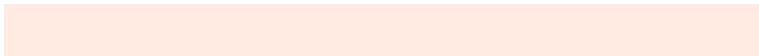
85.9655, 0.3128, 0.3142

Triad

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



85.9655, 0.3025, 0.3111



85.9655, 0.3336, 0.3389



85.9655, 0.3022, 0.3372

Complementary

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



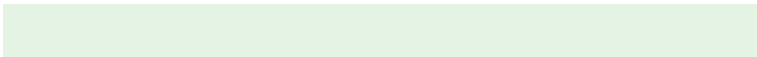
85.9655, 0.3025, 0.3111



98.6882, 0.3226, 0.3464

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.



85.9655, 0.3124, 0.3445



85.9655, 0.3025, 0.3111



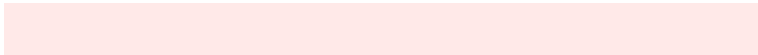
85.9655, 0.3306, 0.3454

Square

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



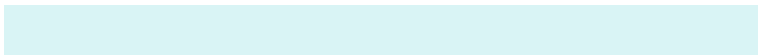
85.9655, 0.3025, 0.3111



85.9655, 0.3308, 0.3300



85.9655, 0.3228, 0.3475



85.9655, 0.2949, 0.3276

Rectangle

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



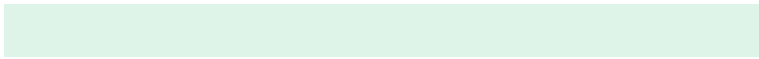
85.9655, 0.3025, 0.3111



85.9655, 0.3199, 0.3184



85.9655, 0.3228, 0.3475



85.9655, 0.3054, 0.3400

Sweetspot

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



85.9691, 0.3025, 0.3111



95.8863, 0.3099, 0.3241



96.1573, 0.3018, 0.3281



20.5667, 0.3101, 0.3243



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.



85.9691, 0.3025, 0.3111



84.1926, 0.3010, 0.3086



87.5471, 0.3082, 0.3114



17.4253, 0.2987, 0.3045



3.8403, 0.1516, 0.0609



0.3899, 0.1554, 0.0630

Inverse Universe

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



88.9848, 0.3141, 0.3127



87.5960, 0.3143, 0.3104



97.0488, 0.3169, 0.3466



18.2822, 0.3147, 0.3068



14.4352, 0.3352, 0.1620



1.4106, 0.3334, 0.1610

Previews

White Background



This preview shows how the Yxy color 85.9655, 0.3025, 0.3111 looks on a white background.

Color Contrast Check

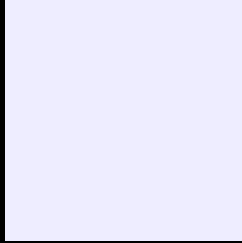
Large Text (above 18pt) WCAG AA × Fail

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 85.9655, 0.3025, 0.3111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

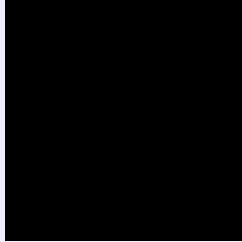
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.9655, 0.3025, 0.3111

Background



This preview shows how black text looks on a background with the Yxy color 85.9655, 0.3025, 0.3111.



This preview shows how white text looks on a background with the Yxy color 85.9655, 0.3025, 0.3111.

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

85.9655, 0.3025, 0.3111

Protanopia

85.9655, 0.3025, 0.3111

Deuteranopia

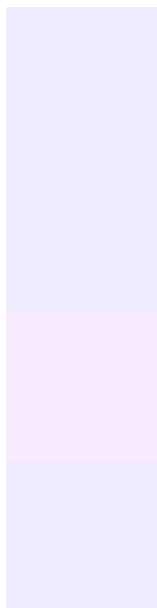
85.8159, 0.3124, 0.3067



Tritanopia

85.9655, 0.3025, 0.3111

Trichromacy



Original Color

85.9655, 0.3025, 0.3111

Protanomaly

85.9655, 0.3025, 0.3111

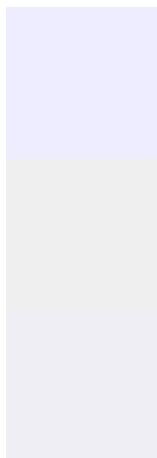
Deuteranomaly

86.0221, 0.3090, 0.3085

Tritanomaly

85.9655, 0.3025, 0.3111

Monochromacy



Original Color

85.9655, 0.3025, 0.3111

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.0924, 0.3091, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.9655, 0.3025, 0.3111 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(238, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.9655, 0.3025, 0.3111 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(238, 237, 255) }
```

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

```
.border{ border-color:rgb(238, 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(238, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.9655, 0.3025, 0.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 237, 255) }
```

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

```
.background{ background-color: rgb(238,  
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](#).

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