

Converting Colors

Yxy(83.2611, 0.3005, 0.3098)

Have a look what the booklet for
Yxy(83.2611, 0.3005, 0.3098)
contains.

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Color

Yxy(83.2611, 0.3005, 0.3098)

Conversions

Conversions Part 1

Format	Color
Hex	E9EAFD
RGB	233, 234, 253
RGB Percent	91%, 92%, 99%
CMY	0.0862, 0.0824, 0.0079
CMYK	0.08, 0.08, 0.00, 0.01
HSL	237°, 83%, 95%
HSV	237°, 8%, 99%
XYZ	80.7617, 83.2611, 104.7348
YIQ	235.8670, -6.6950, 5.6970

Conversions

Conversions Part 2

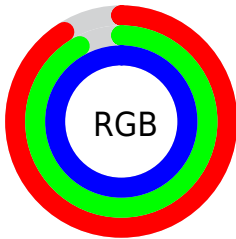
Format	Color
R _Y B	233, 234, 253
Decimal	15330045
CIE Lab	93.13, 3.20, -9.27
CIE LCh	93, 9.810, 289.019
Yxy	83.2611, 0.3005, 0.3098
Android (android.graphics.Color)	4293520125 (0xFFE9EAFD)
YUV	235.8670, 8.4466, -2.5144
Hunter-Lab	91.2475, -1.6958, -4.1804

Details

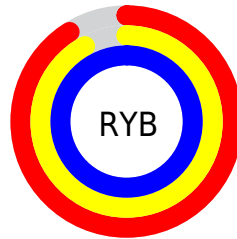
The Yxy color **83.2611, 0.3005, 0.3098** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **96.3996, 0.3246, 0.3475**, and the grayscale version is **83.7163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1734, 0.2978, 0.3056** is the 20% darker color. If you saturate the color by 10%, you get **66.5208, 0.2832, 0.2825**, and if you desaturate by 10%, it is **99.8713, 0.3139, 0.3309**.

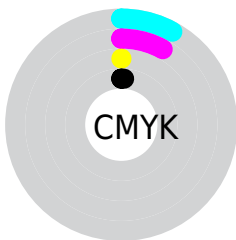
Distribution



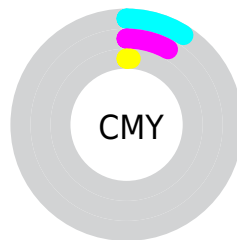
- Red (91%)
- Green (92%)
- Blue (99%)



- Red (91%)
- Yellow (92%)
- Blue (99%)



- Cyan (8%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)



- Cyan (9%)
- Magenta (8%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2611, 0.3005, 0.3098 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 83.2611, 0.3005, 0.3098 by changing the saturation by 10% instead.

83.2611, 0.3005,
0.3098

83.2611, 0.3005,
0.3098

505.8563, 0.3060,
0.3184

62.4056, 0.2993,
0.3079

137.9411, 0.3024,
0.3127

45.3605, 0.2978,
0.3056

172.5343, 0.3031,
0.3139

31.7415, 0.2959,
0.3027

212.4756, 0.3038,
0.3149

21.1641, 0.2934,
0.2990

258.1493, 0.3043,
0.3158

13.2440, 0.2902,
0.2941

309.9399, 0.3048,
0.3165

7.5968, 0.2856,
0.2873

368.2316, 0.3053,

3.8380, 0.2787,

0.3172

0.2772

433.4089, 0.3057,
0.3179

■ 1.5834, 0.2672,
0.2607

■ 0.3464, 0.2287,
0.1945

■ 83.2611, 0.3005,
0.3098

■ 83.2611, 0.3005,
0.3098

■ 66.5208, 0.2832,
0.2825

99.8713, 0.3139,
0.3309

■ 52.1486, 0.2641,
0.2520

■ 40.0407, 0.2436,
0.2189

■ 30.0816, 0.2223,
0.1844

■ 22.1457, 0.2015,
0.1502

■ 16.0942, 0.1826,
0.1187

■ 11.7709, 0.1674,
0.0926

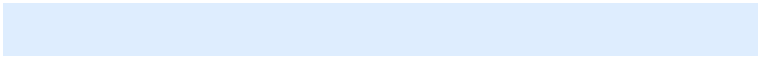
■ 8.9944, 0.1568,
0.0739

■ 7.5387, 0.1513,
0.0634

Harmonies

Analogous

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



83.2611, 0.2931, 0.3121



83.2611, 0.3005, 0.3098



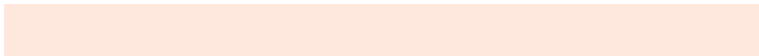
83.2611, 0.3112, 0.3125

Triad

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



83.2611, 0.3005, 0.3098



83.2611, 0.3350, 0.3384



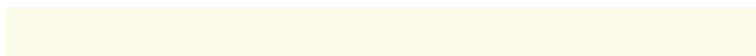
83.2611, 0.3028, 0.3390

Complementary

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



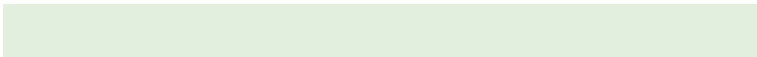
83.2611, 0.3005, 0.3098



96.3996, 0.3246, 0.3475

Split Complementary

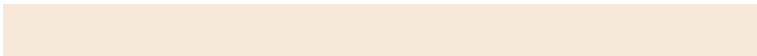
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2611, 0.3139, 0.3464



83.2611, 0.3005, 0.3098



83.2611, 0.3326, 0.3458

Square

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



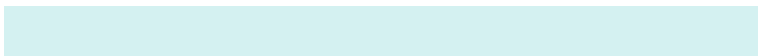
83.2611, 0.3005, 0.3098



83.2611, 0.3313, 0.3287



83.2611, 0.3248, 0.3488



83.2611, 0.2945, 0.3289

Rectangle

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



83.2611, 0.3005, 0.3098



83.2611, 0.3189, 0.3167



83.2611, 0.3248, 0.3488



83.2611, 0.3063, 0.3419

Sweetspot

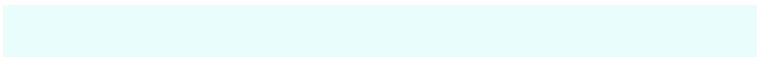
The Sweet Spot groups the original color and five complimentary colors.



83.2646, 0.3005, 0.3098



95.9888, 0.3097, 0.3243



94.6016, 0.3010, 0.3300



20.5876, 0.3099, 0.3246



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.



83.2646, 0.3005, 0.3098



82.7564, 0.2987, 0.3069



84.2640, 0.3064, 0.3092



17.5194, 0.2978, 0.3056



3.9746, 0.1508, 0.0629



0.4347, 0.1527, 0.0697

Inverse Universe

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



85.1150, 0.3257, 0.3281



84.8941, 0.3277, 0.3279



95.3647, 0.3187, 0.3488



18.0014, 0.3287, 0.3279



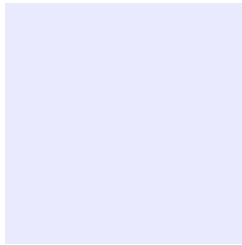
11.1292, 0.6352, 0.3273



1.0884, 0.6237, 0.3210

Previews

White Background



This preview shows how the Yxy color 83.2611, 0.3005, 0.3098 looks on a white background.

Color Contrast Check

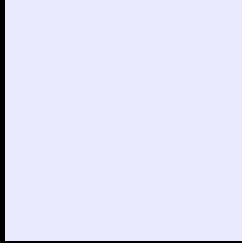
Large Text (above 18pt) WCAG AA × Fail

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 83.2611, 0.3005, 0.3098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

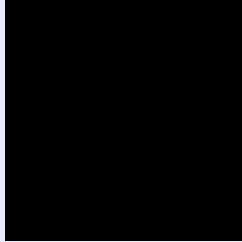
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.2611, 0.3005, 0.3098

Background



This preview shows how black text looks on a background with the Yxy color 83.2611, 0.3005, 0.3098.



This preview shows how white text looks on a background with the Yxy color 83.2611, 0.3005, 0.3098.

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

83.2611, 0.3005, 0.3098

Protanopia

83.4299, 0.3011, 0.3098

Deuteranopia

82.7823, 0.3105, 0.3035



Tritanopia

83.2611, 0.3005, 0.3098

Trichromacy



Original Color

83.2611, 0.3005, 0.3098

Protanomaly

83.4299, 0.3011, 0.3098

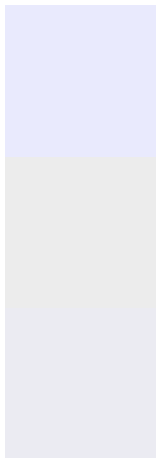
Deuteranomaly

82.8041, 0.3065, 0.3052

Tritanomaly

83.2611, 0.3005, 0.3098

Monochromacy



Original Color

83.2611, 0.3005, 0.3098

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.4896, 0.3084, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2611, 0.3005, 0.3098 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(233, 234, 253)` looks like.

```
.text, #text, p{  
    color:rgb(233, 234, 253)  
}
```

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(233, 234, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 234, 253) }
```

Border

The CSS property to change the border of an element to Yxy 83.2611, 0.3005, 0.3098 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(233, 234, 253) }
```

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

```
.border{ border-color:rgb(233, 234, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 234, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 234, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 234, 253);  
box-shadow:4px 4px 4px 4px rgb(233, 234,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2611, 0.3005, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 234, 253) }
```

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

```
.background{ background-color: rgb(233,  
234, 253) }
```

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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