

Converting Colors

$Yxy(83.4023, 0.2992, 0.3108)$

Have a look what the booklet for
Yxy(83.4023, 0.2992, 0.3108)
contains.

Yxy(83.4974, 0.2992, 0.3107)	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(83.4974, 0.2992, 0.3107)

Conversions

Conversions Part 1

Format	Color
Hex	E7EBFD
RGB	231, 235, 253
RGB Percent	91%, 92%, 99%
CMY	0.0940, 0.0785, 0.0077
CMYK	0.09, 0.07, 0.00, 0.01
HSL	229°, 85%, 95%
HSV	229°, 9%, 99%
XYZ	80.4069, 83.4974, 104.8353
YIQ	235.8560, -8.1620, 4.7500

Conversions

Conversions Part 2

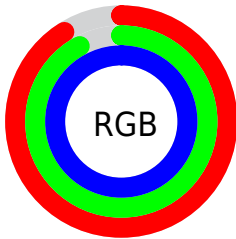
Format	Color
R _Y B	231, 234, 253
Decimal	15199229
CIE Lab	93.23, 2.06, -9.16
CIE LCh	93, 9.388, 282.662
Yxy	83.4974, 0.2992, 0.3107
Android (android.graphics.Color)	4293389309 (0xFFE7EBFD)
YUV	235.8560, 8.4520, -4.2587
Hunter-Lab	91.3769, -2.8389, -4.0587

Details

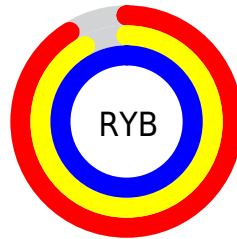
The Yxy color **83.4974, 0.2992, 0.3107** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.4668, 0.3261, 0.3467**, and the grayscale version is **83.7114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3397, 0.2962, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **68.3872, 0.2822, 0.2871**, and if you desaturate by 10%, it is **99.8741, 0.3138, 0.3309**.

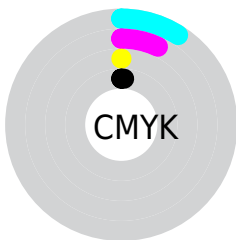
Distribution



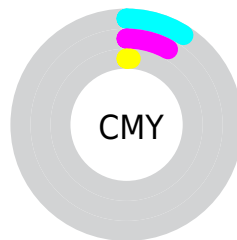
- Red (91%)
- Green (92%)
- Blue (99%)



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



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4974, 0.2992, 0.3107 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 83.4974, 0.2992, 0.3107 by changing the saturation by 10% instead.

83.4974, 0.2992,
0.3107

83.4974, 0.2992,
0.3107

506.6427, 0.3053,
0.3189

62.6006, 0.2978,
0.3089

138.2719, 0.3013,
0.3135

45.5181, 0.2962,
0.3067

172.9183, 0.3021,
0.3146

31.8657, 0.2941,
0.3039

212.9168, 0.3028,
0.3156

21.2590, 0.2914,
0.3003

258.6516, 0.3034,
0.3164

13.3134, 0.2878,
0.2956

310.5072, 0.3040,
0.3171

7.6447, 0.2828,
0.2891

368.8680, 0.3045,

3.8685, 0.2754,

0.3178

0.2794

434.1184, 0.3049,
0.3184

■ 1.6003, 0.2629,
0.2635

■ 0.3578, 0.2193,
0.2011

■ 83.4974, 0.2992,
0.3107

■ 83.4974, 0.2992,
0.3107

■ 68.3872, 0.2822,
0.2871

99.8741, 0.3138,
0.3309

■ 55.1961, 0.2637,
0.2607

■ 43.8495, 0.2443,
0.2320

■ 34.2641, 0.2244,
0.2016

■ 26.3498, 0.2050,
0.1707

■ 20.0083, 0.1873,
0.1409

■ 15.1306, 0.1724,
0.1140

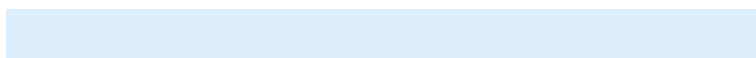
■ 11.5930, 0.1614,
0.0920

■ 9.2403, 0.1546,
0.0758

Harmonies

Analogous

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



83.4974, 0.2931, 0.3139



83.4974, 0.2992, 0.3107



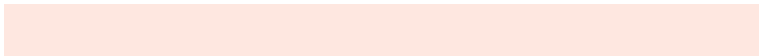
83.4974, 0.3090, 0.3123

Triad

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



83.4974, 0.2992, 0.3107



83.4974, 0.3337, 0.3361



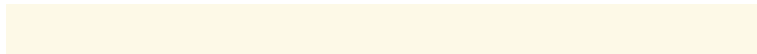
83.4974, 0.3054, 0.3403

Complementary

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



83.4974, 0.2992, 0.3107



94.4668, 0.3261, 0.3467

Split Complementary

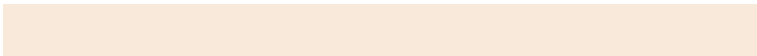
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.4974, 0.3162, 0.3465



83.4974, 0.2992, 0.3107



83.4974, 0.3327, 0.3439

Square

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



83.4974, 0.2992, 0.3107



83.4974, 0.3290, 0.3267



83.4974, 0.3262, 0.3478



83.4974, 0.2966, 0.3310

Rectangle

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



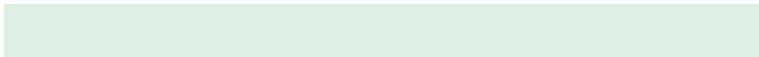
83.4974, 0.2992, 0.3107



83.4974, 0.3163, 0.3157



83.4974, 0.3262, 0.3478



83.4974, 0.3089, 0.3429

Sweetspot

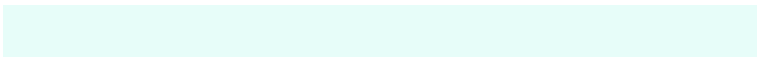
The Sweet Spot groups the original color and five complimentary colors.



83.5009, 0.2992, 0.3107



94.6381, 0.3082, 0.3229



94.1085, 0.3015, 0.3330



19.9565, 0.3070, 0.3212



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.



83.5009, 0.2992, 0.3107



82.8498, 0.2971, 0.3078



82.4480, 0.3037, 0.3069



17.9048, 0.2979, 0.3089



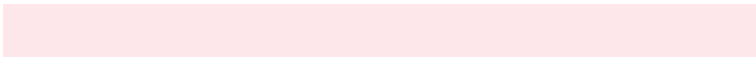
4.9354, 0.1545, 0.0762



0.6169, 0.1596, 0.0944

Inverse Universe

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



84.0624, 0.3253, 0.3251



83.5207, 0.3274, 0.3245



95.6503, 0.3212, 0.3507



18.0403, 0.3266, 0.3248



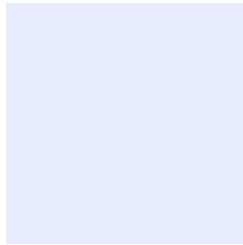
11.2262, 0.6132, 0.3151



1.1068, 0.5844, 0.2993

Previews

White Background



This preview shows how the Yxy color 83.4974, 0.2992, 0.3107 looks on a white background.

Color Contrast Check

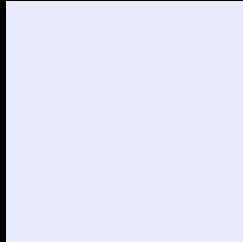
Large Text (above 18pt) WCAG AA × Fail

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 83.4974, 0.2992, 0.3107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

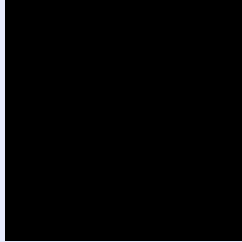
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.4974, 0.2992, 0.3107

Background



This preview shows how black text looks on a background with the Yxy color 83.4974, 0.2992, 0.3107.



This preview shows how white text looks on a background with the Yxy color 83.4974, 0.2992, 0.3107.

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

83.4974, 0.2992, 0.3107

Protanopia

83.5361, 0.3024, 0.3109

Deuteranopia

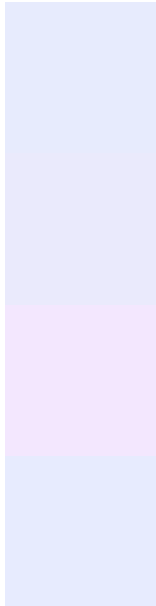
83.5184, 0.3112, 0.3045



Tritanopia

83.5613, 0.2986, 0.3098

Trichromacy



Original Color

83.4974, 0.2992, 0.3107

Protanomaly

83.3663, 0.3017, 0.3108

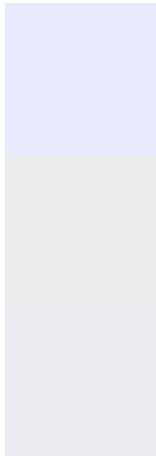
Deuteranomaly

83.3623, 0.3064, 0.3062

Tritanomaly

83.5613, 0.2986, 0.3098

Monochromacy



Original Color

83.4974, 0.2992, 0.3107

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.8941, 0.3077, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4974, 0.2992, 0.3107 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(231, 235, 253)` looks like.

```
.text, #text, p{  
    color:rgb(231, 235, 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(231, 235, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 235, 253) }
```

Border

The CSS property to change the border of an element to Yxy 83.4974, 0.2992, 0.3107 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(231, 235, 253) }
```

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

```
.border{ border-color:rgb(231, 235, 253) }
```

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

Here you see how a box with a 4 pixel rgb(231, 235, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 235, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 235, 253);  
box-shadow:4px 4px 4px 4px rgb(231, 235,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4974, 0.2992, 0.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 235, 253) }
```

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

```
.background{ background-color: rgb(231,  
235, 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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