

Converting Colors

Yxy(83.5891, 0.2980, 0.3087)

Have a look what the booklet for
Yxy(83.5891, 0.2980, 0.3087)
contains.

Yxy(83.6256, 0.2980, 0.3088)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.6256, 0.2980, 0.3088)

Conversions

Conversions Part 1

Format	Color
Hex	E7EBFF
RGB	231, 235, 255
RGB Percent	91%, 92%, 100%
CMY	0.0943, 0.0784, 0.0001
CMYK	0.09, 0.08, 0.00, 0.00
HSL	230°, 100%, 95%
HSV	230°, 9%, 100%
XYZ	80.7009, 83.6256, 106.4818
YIQ	236.0840, -8.8040, 5.3720

Conversions

Conversions Part 2

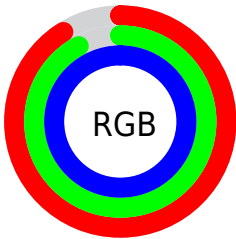
Format	Color
R_{YB}	231, 234, 255
Decimal	15199231
CIE Lab	93.29, 2.39, -10.09
CIE LCh	93, 10.372, 283.337
Yxy	83.6256, 0.2980, 0.3088
Android (android.graphics.Color)	4293389311 (0xFFE7EBFF)
YUV	236.0840, 9.3256, -4.4587
Hunter-Lab	91.4470, -2.5083, -5.0249

Details

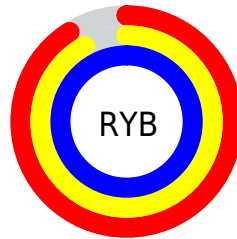
The Yxy color **83.6256, 0.2980, 0.3088** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.9714, 0.3272, 0.3484**, and the grayscale version is **83.8781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4314, 0.2947, 0.3043** is the 20% darker color. If you saturate the color by 10%, you get **68.2714, 0.2808, 0.2846**, and if you desaturate by 10%, it is **99.9990, 0.3127, 0.3290**.

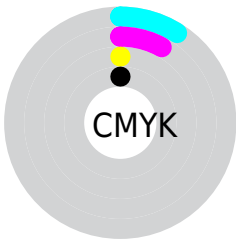
Distribution



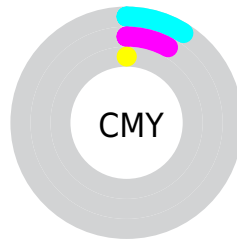
- Red (91%)
- Green (92%)
- Blue (100%)



- Red (91%)
- Yellow (92%)
- Blue (100%)



- Cyan (9%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6256, 0.2980, 0.3088 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 83.6256, 0.2980, 0.3088 by changing the saturation by 10% instead.

83.6256, 0.2980,
0.3088

83.6256, 0.2980,
0.3088

507.0691, 0.3046,
0.3179

62.7064, 0.2965,
0.3068

138.4513, 0.3003,
0.3119

45.6037, 0.2947,
0.3044

173.1266, 0.3012,
0.3131

31.9332, 0.2924,
0.3013

213.1560, 0.3019,
0.3142

21.3105, 0.2895,
0.2974

258.9240, 0.3026,
0.3151

13.3511, 0.2857,
0.2923

310.8149, 0.3032,
0.3159

7.6708, 0.2802,
0.2851

369.2131, 0.3037,

3.8850, 0.2721,

0.3166

0.2745

434.5031, 0.3042,
0.3173

■ 1.6095, 0.2587,
0.2573

■ 0.3640, 0.2154,
0.1939

■ 83.6256, 0.2980,
0.3088

■ 83.6256, 0.2980,
0.3088

■ 68.2714, 0.2808,
0.2846

99.9990, 0.3127,
0.3290

■ 54.8997, 0.2622,
0.2577

■ 43.4320, 0.2426,
0.2285

■ 33.7806, 0.2226,
0.1976

■ 25.8507, 0.2032,
0.1664

■ 19.5387, 0.1855,
0.1366

■ 14.7292, 0.1709,
0.1101

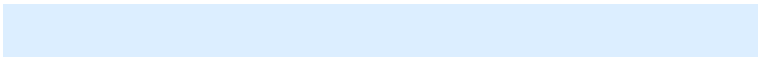
■ 11.2910, 0.1603,
0.0886

■ 9.0539, 0.1538,
0.0734

Harmonies

Analogous

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



83.6256, 0.2912, 0.3122



83.6256, 0.2980, 0.3088



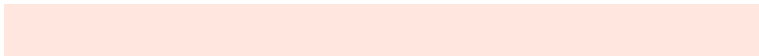
83.6256, 0.3088, 0.3106

Triad

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



83.6256, 0.2980, 0.3088



83.6256, 0.3360, 0.3371



83.6256, 0.3043, 0.3413

Complementary

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



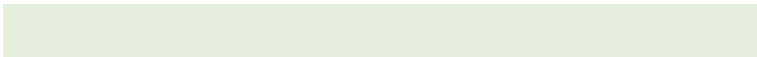
83.6256, 0.2980, 0.3088



95.9714, 0.3272, 0.3484

Split Complementary

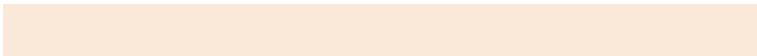
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6256, 0.3162, 0.3483



83.6256, 0.2980, 0.3088



83.6256, 0.3347, 0.3455

Square

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



83.6256, 0.2980, 0.3088



83.6256, 0.3309, 0.3267



83.6256, 0.3274, 0.3498



83.6256, 0.2948, 0.3310

Rectangle

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



83.6256, 0.2980, 0.3088



83.6256, 0.3170, 0.3145



83.6256, 0.3274, 0.3498



83.6256, 0.3082, 0.3442

Sweetspot

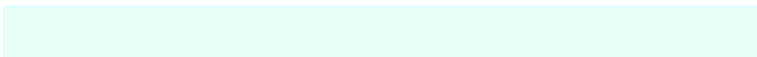
The Sweet Spot groups the original color and five complimentary colors.



83.6291, 0.2980, 0.3088



94.5887, 0.3082, 0.3228



95.4312, 0.3006, 0.3333



19.9432, 0.3070, 0.3211



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.



83.6291, 0.2980, 0.3088



81.0821, 0.2954, 0.3052



82.6234, 0.3029, 0.3050



17.8737, 0.2979, 0.3086



4.8232, 0.1541, 0.0746



0.6015, 0.1590, 0.0924

Inverse Universe

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



84.3853, 0.3266, 0.3250



81.9795, 0.3292, 0.3244



97.1204, 0.3219, 0.3526



18.0372, 0.3268, 0.3250



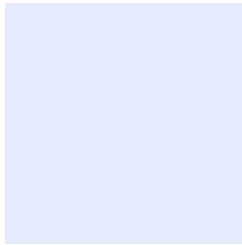
11.2149, 0.6156, 0.3165



1.1053, 0.5875, 0.3010

Previews

White Background



This preview shows how the Yxy color 83.6256, 0.2980, 0.3088 looks on a white background.

Color Contrast Check

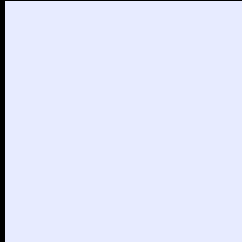
Large Text (above 18pt) WCAG AA × Fail

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 83.6256, 0.2980, 0.3088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

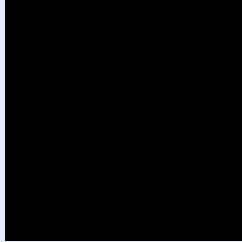
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.6256, 0.2980, 0.3088

Background



This preview shows how black text looks on a background with the Yxy color 83.6256, 0.2980, 0.3088.



This preview shows how white text looks on a background with the Yxy color 83.6256, 0.2980, 0.3088.

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

83.6256, 0.2980, 0.3088

Protanopia

83.4938, 0.3005, 0.3089

Deuteranopia

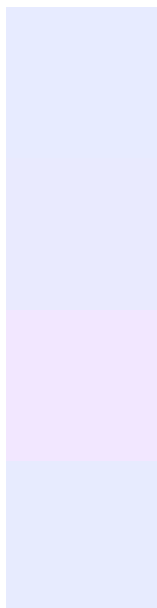
83.2151, 0.3092, 0.3035



Tritanopia

83.5613, 0.2986, 0.3098

Trichromacy



Original Color

83.6256, 0.2980, 0.3088

Protanomaly

83.3250, 0.2999, 0.3088

Deuteranomaly

83.2491, 0.3052, 0.3052

Tritanomaly

83.5613, 0.2986, 0.3098

Monochromacy



Original Color

83.6256, 0.2980, 0.3088

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.9544, 0.3071, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6256, 0.2980, 0.3088 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 235, 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(231, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.6256, 0.2980, 0.3088 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, 255) }
```

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

```
.border{ border-color:rgb(231, 235, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6256, 0.2980, 0.3088 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, 255) }
```

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

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