

Converting Colors

Yxy(82.7901, 0.3100, 0.3463)

Have a look what the booklet for
Yxy(82.7901, 0.3100, 0.3463)
contains.

Yxy(82.8635, 0.3099, 0.3471)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.8635, 0.3099, 0.3471)

Conversions

Conversions Part 1

Format	Color
Hex	DCF0DF
RGB	220, 240, 223
RGB Percent	86%, 94%, 87%
CMY	0.1374, 0.0588, 0.1256
CMYK	0.08, 0.00, 0.07, 0.06
HSL	129°, 40%, 90%
HSV	129°, 8%, 94%
XYZ	73.9827, 82.8635, 81.8847
YIQ	232.0820, -6.4630, -9.5270

Conversions

Conversions Part 2

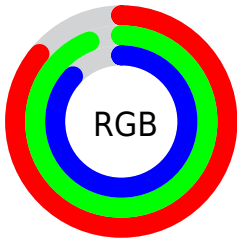
Format	Color
R _{YB}	220, 237, 240
Decimal	14479583
CIE Lab	92.95, -9.69, 5.98
CIE LCh	93, 11.387, 148.345
Yxy	82.8635, 0.3099, 0.3471
Android (android.graphics.Color)	4292669663 (0xFFDCFF0DF)
YUV	232.0820, -4.4774, -10.5959
Hunter-Lab	91.0294, -14.2284, 10.3868

Details

The Yxy color **82.8635, 0.3099, 0.3471** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.8110, 0.3157, 0.3115**, and the grayscale version is **80.7950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1075, 0.3092, 0.3511** is the 20% darker color. If you saturate the color by 10%, you get **78.3527, 0.3065, 0.3714**, and if you desaturate by 10%, it is **88.0516, 0.3133, 0.3257**.

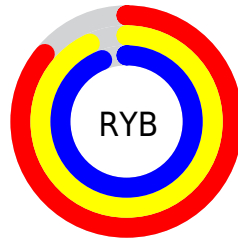
Distribution



Red (86%)

Green (94%)

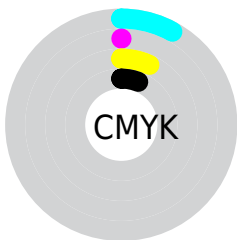
Blue (87%)



Red (86%)

Yellow (93%)

Blue (94%)

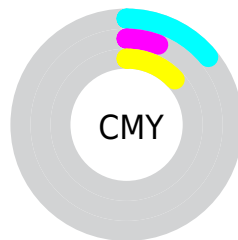


Cyan (8%)

Magenta (0%)

Yellow (7%)

Black (6%)



Cyan (14%)


Magenta (6%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8635, 0.3099, 0.3471 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 82.8635, 0.3099, 0.3471 by changing the saturation by 10% instead.

 82.8635, 0.3099,
0.3471

 82.8635, 0.3099,
0.3471


504.5315, 0.3112,
0.3388

 62.0776, 0.3096,
0.3490

137.3843, 0.3104,
0.3442

 45.0954, 0.3092,
0.3513


171.8879, 0.3105,
0.3431

 31.5325, 0.3087,
0.3542


211.7328, 0.3107,
0.3422

 21.0047, 0.3081,
0.3580

257.3035, 0.3108,
0.3413

 13.1274, 0.3072,
0.3632

308.9843, 0.3110,
0.3406

 7.5164, 0.3058,
0.3705

367.1597, 0.3111,

 3.7871, 0.3037,

0.3399

0.3819

432.2139, 0.3111,
0.3393

■ 1.5552, 0.2997,
0.4018

■ 0.3271, 0.1851,
0.8149

■ 82.8635, 0.3099,
0.3471

■ 82.8635, 0.3099,
0.3471

■ 78.3527, 0.3065,
0.3714

■ 88.0516, 0.3133,
0.3257

■ 74.4812, 0.3031,
0.3986

■ 90.8109, 0.3134,
0.3146

■ 71.2230, 0.2999,
0.4283

■ 68.5464, 0.2972,
0.4598

■ 66.4169, 0.2951,
0.4917

■ 64.7962, 0.2940,
0.5224

■ 63.6410, 0.2939,
0.5497

■ 62.9006, 0.2950,
0.5717

■ 62.5051, 0.2968,
0.5872

Harmonies

Analogous

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



82.8635, 0.3231, 0.3519



82.8635, 0.3099, 0.3471



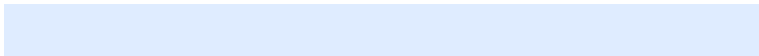
82.8635, 0.2977, 0.3371

Triad

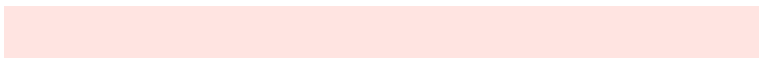
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8635, 0.3099, 0.3471



82.8635, 0.2921, 0.3079



82.8635, 0.3364, 0.3322

Complementary

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



82.8635, 0.3099, 0.3471



75.8110, 0.3157, 0.3115

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.



82.8635, 0.3278, 0.3209



82.8635, 0.3099, 0.3471



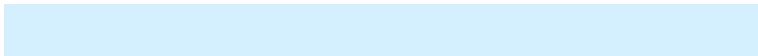
82.8635, 0.3021, 0.3071

Square

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



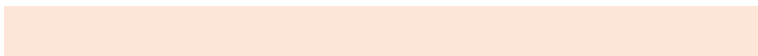
82.8635, 0.3099, 0.3471



82.8635, 0.2875, 0.3144



82.8635, 0.3151, 0.3119



82.8635, 0.3385, 0.3429

Rectangle

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



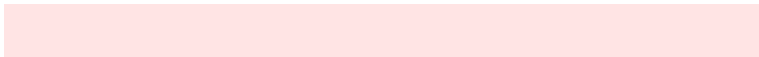
82.8635, 0.3099, 0.3471



82.8635, 0.2917, 0.3291



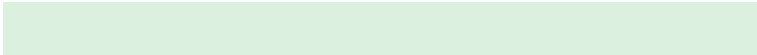
82.8635, 0.3151, 0.3119



82.8635, 0.3342, 0.3284

Sweetspot

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



82.8670, 0.3099, 0.3471



98.1660, 0.3117, 0.3353



85.5602, 0.3233, 0.3496



20.9092, 0.3114, 0.3370



0.0000, 0.0000, 0.0000



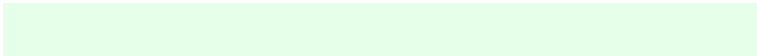
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8670, 0.3099, 0.3471



94.1620, 0.3093, 0.3510



83.4050, 0.3041, 0.3367



17.6950, 0.3095, 0.3497



34.1966, 0.2965, 0.5874



2.8565, 0.2909, 0.5671

Inverse Universe

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



75.8110, 0.3157, 0.3115



84.5520, 0.3163, 0.3080



75.2595, 0.3222, 0.3214



15.9883, 0.3161, 0.3092



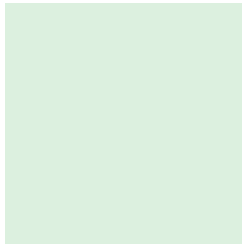
12.5439, 0.3628, 0.1772



1.0545, 0.3564, 0.1737

Previews

White Background



This preview shows how the Yxy color 82.8635, 0.3099, 0.3471 looks on a white background.

Color Contrast Check

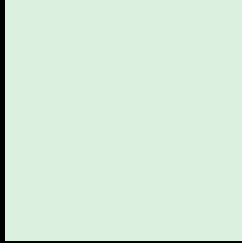
Large Text (above 18pt) WCAG AA × Fail

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 82.8635, 0.3099, 0.3471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

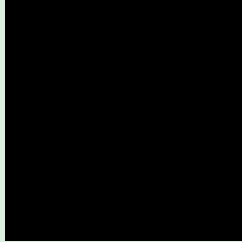
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

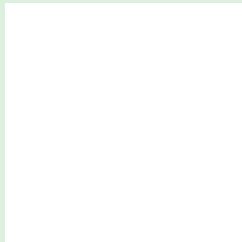
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8635, 0.3099, 0.3471

Background



This preview shows how black text looks on a background with the Yxy color 82.8635, 0.3099, 0.3471.

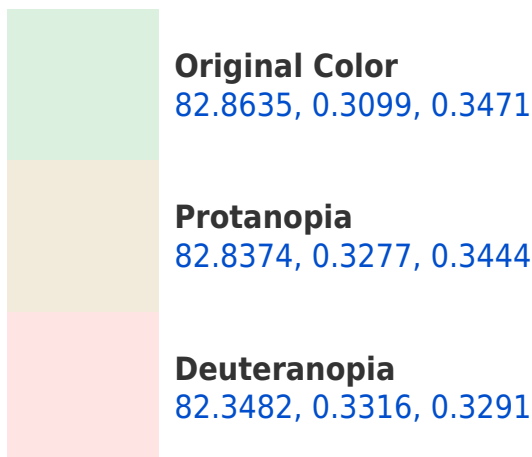


This preview shows how white text looks on a background with the Yxy color 82.8635, 0.3099, 0.3471.

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

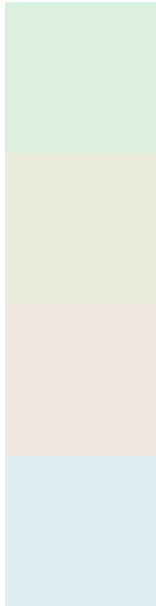




Tritanopia

82.5800, 0.2948, 0.3095

Trichromacy



Original Color

82.8635, 0.3099, 0.3471

Protanomaly

82.6506, 0.3214, 0.3457

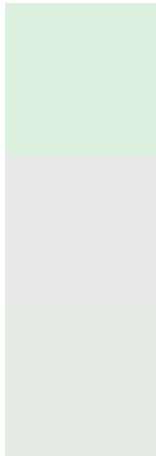
Deuteranomaly

82.0815, 0.3234, 0.3352

Tritanomaly

82.7274, 0.3000, 0.3227

Monochromacy



Original Color

82.8635, 0.3099, 0.3471

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.5678, 0.3118, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8635, 0.3099, 0.3471 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(220, 240, 223)` looks like.

```
.text, #text, p{  
    color:rgb(220, 240, 223)  
}
```

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(220, 240, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 240, 223) }
```

Border

The CSS property to change the border of an element to Yxy 82.8635, 0.3099, 0.3471 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(220, 240, 223) }
```

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

```
.border{ border-color:rgb(220, 240, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 240, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 240, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 240, 223);  
box-shadow:4px 4px 4px 4px rgb(220, 240,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8635, 0.3099, 0.3471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 240, 223) }
```

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

```
.background{ background-color: rgb(220,  
240, 223) }
```

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