

Converting Colors

Yxy(87.4630, 0.3025, 0.3486)

Have a look what the booklet for
Yxy(87.4630, 0.3025, 0.3486)
contains.

Yxy(87.2950, 0.3024, 0.3480)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.2950, 0.3024, 0.3480)

Conversions

Conversions Part 1

Format	Color
Hex	D7F8E6
RGB	215, 248, 230
RGB Percent	84%, 97%, 90%
CMY	0.1571, 0.0274, 0.0981
CMYK	0.13, 0.00, 0.07, 0.03
HSL	147°, 70%, 91%
HSV	147°, 13%, 97%
XYZ	75.8563, 87.2950, 87.6964
YIQ	236.0810, -13.8900, -12.5940

Conversions

Conversions Part 2

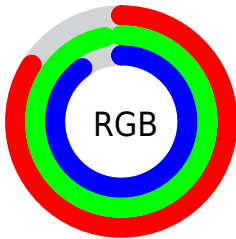
Format	Color
R _Y B	215, 238, 248
Decimal	14153958
CIE Lab	94.86, -14.07, 5.06
CIE LCh	95, 14.952, 160.212
Yxy	87.2950, 0.3024, 0.3480
Android (android.graphics.Color)	4292344038 (0xFFD7F8E6)
YUV	236.0810, -2.9979, -18.4880
Hunter-Lab	93.4318, -18.5833, 9.7519

Details

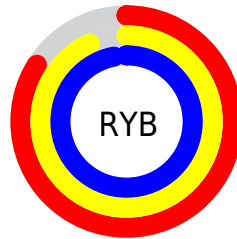
The Yxy color **87.2950, 0.3024, 0.3480** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.4085, 0.3245, 0.3107**, and the grayscale version is **83.9697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2680, 0.2998, 0.3522** is the 20% darker color. If you saturate the color by 10%, you get **83.0951, 0.2950, 0.3642**, and if you desaturate by 10%, it is **92.1303, 0.3101, 0.3335**.

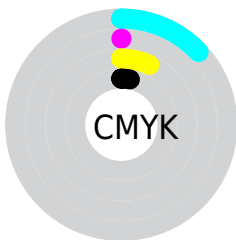
Distribution



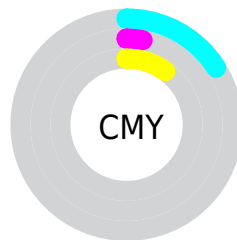
- Red (84%)
- Green (97%)
- Blue (90%)



- Red (84%)
- Yellow (93%)
- Blue (97%)



- Cyan (13%)
- Magenta (0%)
- Yellow (7%)
- Black (3%)




- Cyan (16%)
- Magenta (3%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2950, 0.3024, 0.3480 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 87.2950, 0.3024, 0.3480 by changing the saturation by 10% instead.

 87.2950, 0.3024,
0.3480

 87.2950, 0.3024,
0.3480


519.1917, 0.3071,
0.3394

 65.7394, 0.3013,
0.3499


143.5752, 0.3040,
0.3450

 48.0609, 0.3001,
0.3523


179.0686, 0.3046,
0.3439

 33.8751, 0.2984,
0.3553


219.9768, 0.3052,
0.3429

 22.7976, 0.2964,
0.3592


266.6840, 0.3057,
0.3420

 14.4442, 0.2936,
0.3644

319.5747, 0.3061,
0.3412

 8.4302, 0.2896,
0.3718

379.0333, 0.3065,

 4.3715, 0.2836,

0.3405

0.3830

445.4442, 0.3068,
0.3399

■ 1.8834, 0.2734,
0.4022

■ 0.5384, 0.1792,
0.5734

■ 87.2950, 0.3024,
0.3480

■ 87.2950, 0.3024,
0.3480

■ 83.0951, 0.2950,
0.3642

■ 92.1303, 0.3101,
0.3335

■ 79.4928, 0.2880,
0.3821

■ 95.6302, 0.3130,
0.3223

■ 76.4627, 0.2820,
0.4014

■ 73.9737, 0.2771,
0.4221

■ 71.9912, 0.2737,
0.4435

■ 70.4767, 0.2722,
0.4652

■ 69.3857, 0.2727,
0.4864

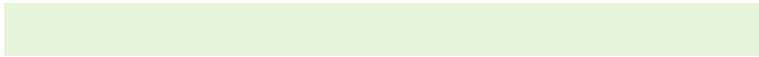
■ 68.6644, 0.2751,
0.5064

■ 68.3372, 0.2775,
0.5189

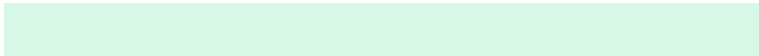
Harmonies

Analogous

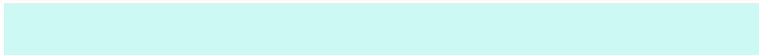
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2950, 0.3194, 0.3573



87.2950, 0.3024, 0.3480



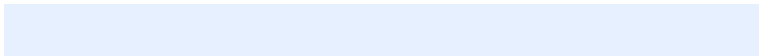
87.2950, 0.2884, 0.3333

Triad

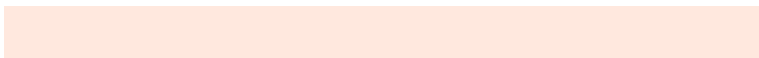
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2950, 0.3024, 0.3480



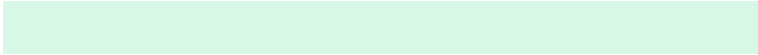
87.2950, 0.2905, 0.3006



87.2950, 0.3456, 0.3387

Complementary

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



87.2950, 0.3024, 0.3480



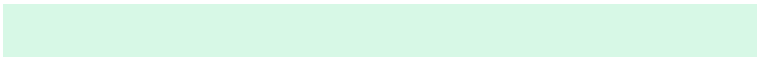
74.4085, 0.3245, 0.3107

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.



87.2950, 0.3374, 0.3241



87.2950, 0.3024, 0.3480



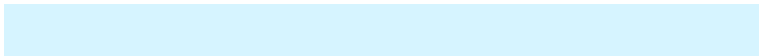
87.2950, 0.3054, 0.3026

Square

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



87.2950, 0.3024, 0.3480



87.2950, 0.2817, 0.3060



87.2950, 0.3226, 0.3111



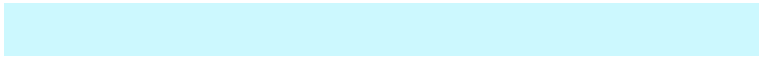
87.2950, 0.3446, 0.3513

Rectangle

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



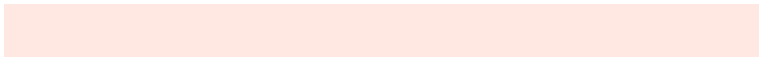
87.2950, 0.3024, 0.3480



87.2950, 0.2826, 0.3228



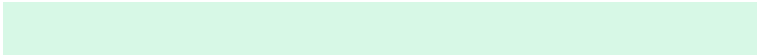
87.2950, 0.3226, 0.3111



87.2950, 0.3438, 0.3339

Sweetspot

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



87.2987, 0.3024, 0.3480



97.7634, 0.3096, 0.3344



89.3989, 0.3228, 0.3631



20.8380, 0.3090, 0.3354



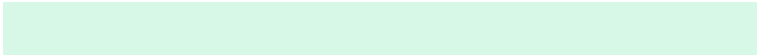
0.0000, 0.0000, 0.0000



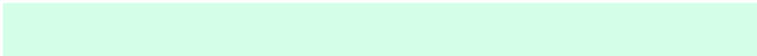
21.4041, 0.3127, 0.3290

Same Dimension

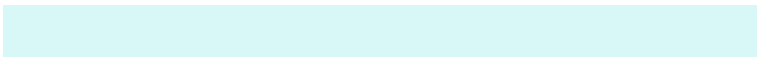
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2987, 0.3024, 0.3480



91.7152, 0.3004, 0.3522



88.2634, 0.2932, 0.3307



19.4405, 0.3053, 0.3422



36.9348, 0.2767, 0.5160



3.4419, 0.2703, 0.4930

Inverse Universe

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



74.4085, 0.3245, 0.3107



75.5368, 0.3273, 0.3069



73.5148, 0.3361, 0.3274



17.3836, 0.3208, 0.3161



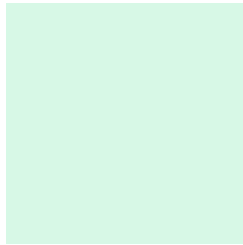
11.7579, 0.4770, 0.2402



1.1104, 0.4532, 0.2270

Previews

White Background



This preview shows how the Yxy color 87.2950, 0.3024, 0.3480 looks on a white background.

Color Contrast Check

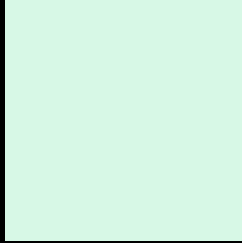
Large Text (above 18pt) WCAG AA × Fail

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 87.2950, 0.3024, 0.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

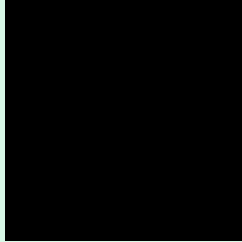
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

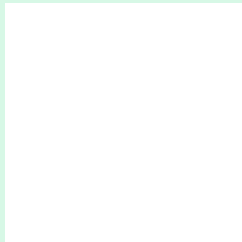
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2950, 0.3024, 0.3480

Background



This preview shows how black text looks on a background with the Yxy color 87.2950, 0.3024, 0.3480.

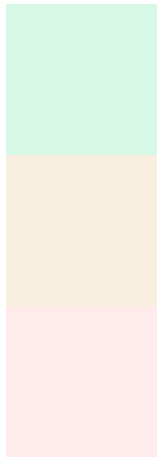


This preview shows how white text looks on a background with the Yxy color 87.2950, 0.3024, 0.3480.

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

87.2950, 0.3024, 0.3480

Protanopia

87.1257, 0.3275, 0.3431

Deuteranopia

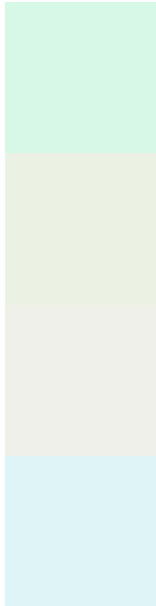
86.7328, 0.3256, 0.3281



Tritanopia

87.0552, 0.2956, 0.3158

Trichromacy



Original Color

87.2950, 0.3024, 0.3480

Protanomaly

86.8832, 0.3179, 0.3444

Deuteranomaly

86.7860, 0.3164, 0.3351

Tritanomaly

87.0432, 0.2983, 0.3269

Monochromacy



Original Color

87.2950, 0.3024, 0.3480

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.7547, 0.3085, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2950, 0.3024, 0.3480 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(215, 248, 230)` looks like.

```
.text, #text, p{  
    color:rgb(215, 248, 230)  
}
```

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(215, 248, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 248, 230) }
```

Border

The CSS property to change the border of an element to Yxy 87.2950, 0.3024, 0.3480 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(215, 248, 230) }
```

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

```
.border{ border-color:rgb(215, 248, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 248, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 248, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 248, 230);  
box-shadow:4px 4px 4px 4px rgb(215, 248,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2950, 0.3024, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 248, 230) }
```

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

```
.background{ background-color: rgb(215,  
248, 230) }
```

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