

Converting Colors

$Yxy(82.4004, 0.3071, 0.3374)$

Have a look what the booklet for
Yxy(82.4004, 0.3071, 0.3374)
contains.

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Color

Yxy(82.3918, 0.3071, 0.3374)

Conversions

Conversions Part 1

Format	Color
Hex	DEEEE6
RGB	222, 238, 230
RGB Percent	87%, 93%, 90%
CMY	0.1292, 0.0667, 0.0980
CMYK	0.07, 0.00, 0.03, 0.07
HSL	150°, 32%, 90%
HSV	150°, 7%, 93%
XYZ	74.9927, 82.3918, 86.8118
YIQ	232.3040, -6.9680, -5.8800

Conversions

Conversions Part 2

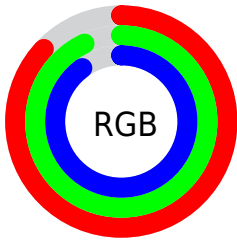
Format	Color
R _Y B	222, 233, 238
Decimal	14610150
CIE Lab	92.75, -6.72, 2.04
CIE LCh	93, 7.020, 163.091
Yxy	82.3918, 0.3071, 0.3374
Android (android.graphics.Color)	4292800230 (0xFFDEEEE6)
YUV	232.3040, -1.1359, -9.0366
Hunter-Lab	90.7699, -11.3735, 6.8344

Details

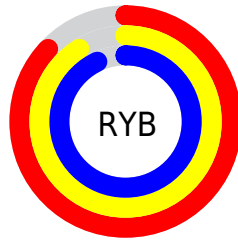
The Yxy color **82.3918, 0.3071, 0.3374** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.1612, 0.3187, 0.3207**, and the grayscale version is **80.9558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.7665, 0.3055, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **78.2499, 0.2989, 0.3512**, and if you desaturate by 10%, it is **87.1170, 0.3155, 0.3251**.

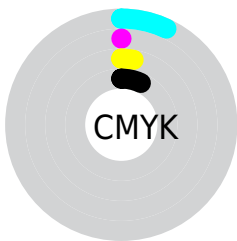
Distribution



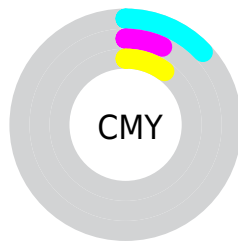
- Red (87%)
- Green (93%)
- Blue (90%)



- Red (87%)
- Yellow (91%)
- Blue (93%)



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





- Cyan (13%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.3918, 0.3071, 0.3374 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 82.3918, 0.3071, 0.3374 by changing the saturation by 10% instead.


 82.3918, 0.3071,
0.3374

 82.3918, 0.3071,
0.3374

502.9573, 0.3097,
0.3336

 61.6885, 0.3065,
0.3383


136.7233, 0.3080,
0.3361

 44.7811, 0.3058,
0.3393

171.1203, 0.3083,
0.3356

 31.2850, 0.3049,
0.3406


210.8507, 0.3086,
0.3351

 20.8160, 0.3038,
0.3424

256.2989, 0.3089,
0.3347

 12.9896, 0.3022,
0.3447

307.8493, 0.3091,
0.3344

 7.4214, 0.3000,
0.3480

365.8862, 0.3093,

 3.7270, 0.2967,

0.3341

430.7941, 0.3095,
0.3338

0.3531

1.5220, 0.2909,
0.3618

0.3042, 0.2026,
0.4924

82.3918, 0.3071,
0.3374

82.3918, 0.3071,
0.3374

78.2499, 0.2989,
0.3512

87.1170, 0.3155,
0.3251

74.6579, 0.2910,
0.3665

89.5516, 0.3142,
0.3137

71.5947, 0.2839,
0.3833

89.6245, 0.3135,
0.3127

69.0338, 0.2777,
0.4013

■ 66.9462, 0.2729,
0.4204

■ 65.3002, 0.2698,
0.4402

■ 64.0596, 0.2686,
0.4601

■ 63.1823, 0.2694,
0.4795

■ 62.6153, 0.2722,
0.4980

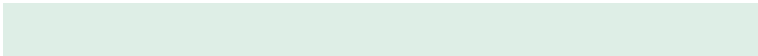
Harmonies

Analogous

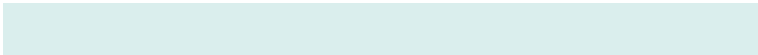
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3918, 0.3152, 0.3421



82.3918, 0.3071, 0.3374



82.3918, 0.3005, 0.3304

Triad

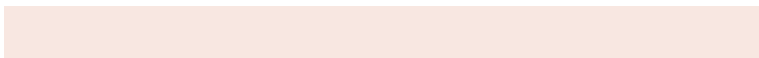
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.3918, 0.3071, 0.3374



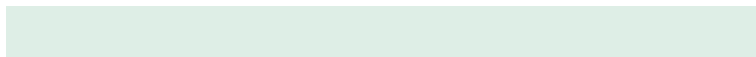
82.3918, 0.3027, 0.3152



82.3918, 0.3285, 0.3345

Complementary

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



82.3918, 0.3071, 0.3374



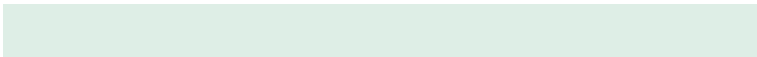
76.1612, 0.3187, 0.3207

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.



82.3918, 0.3250, 0.3274



82.3918, 0.3071, 0.3374



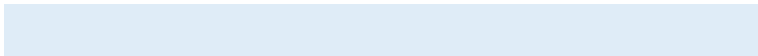
82.3918, 0.3101, 0.3164

Square

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



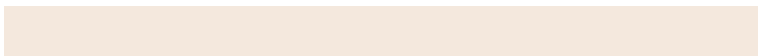
82.3918, 0.3071, 0.3374



82.3918, 0.2980, 0.3176



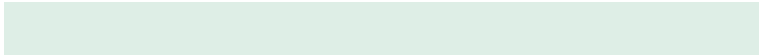
82.3918, 0.3183, 0.3209



82.3918, 0.3277, 0.3403

Rectangle

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



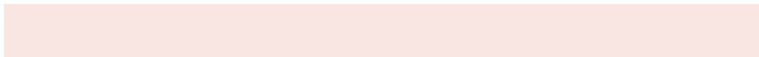
82.3918, 0.3071, 0.3374



82.3918, 0.2979, 0.3255



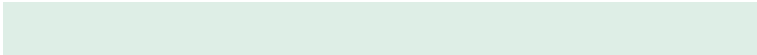
82.3918, 0.3183, 0.3209



82.3918, 0.3278, 0.3322

Sweetspot

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



82.3953, 0.3071, 0.3374



98.8819, 0.3110, 0.3315



83.2917, 0.3174, 0.3457



21.1765, 0.3111, 0.3313



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.



82.3953, 0.3071, 0.3374



95.6928, 0.3060, 0.3392



82.8392, 0.3025, 0.3292



17.7879, 0.3048, 0.3411



34.8797, 0.2725, 0.5011



2.9218, 0.2658, 0.4770

Inverse Universe

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



76.1612, 0.3187, 0.3207



87.0300, 0.3200, 0.3191



75.7365, 0.3239, 0.3288



15.8911, 0.3215, 0.3172



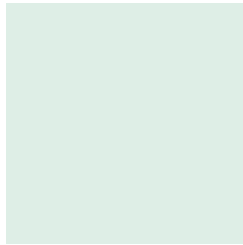
10.9148, 0.4952, 0.2502



0.9281, 0.4661, 0.2341

Previews

White Background



This preview shows how the Yxy color 82.3918, 0.3071, 0.3374 looks on a white background.

Color Contrast Check

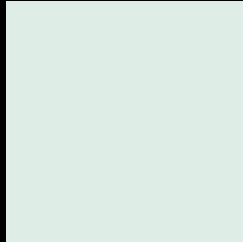
Large Text (above 18pt) WCAG AA × Fail

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 82.3918, 0.3071, 0.3374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

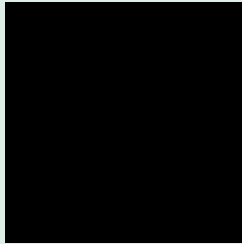
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

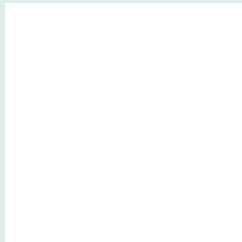
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.3918, 0.3071, 0.3374

Background



This preview shows how black text looks on a background with the Yxy color 82.3918, 0.3071, 0.3374.

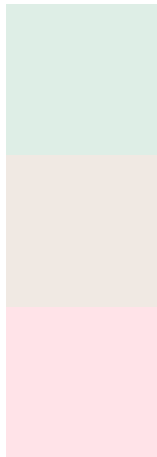


This preview shows how white text looks on a background with the Yxy color 82.3918, 0.3071, 0.3374.

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

82.3918, 0.3071, 0.3374

Protanopia

82.3491, 0.3213, 0.3352

Deuteranopia

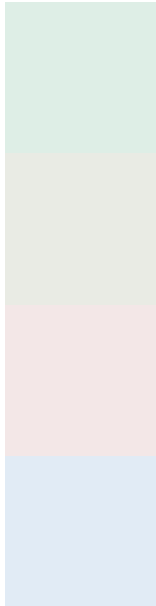
82.0244, 0.3290, 0.3241



Tritanopia

82.1062, 0.2960, 0.3095

Trichromacy



Original Color

82.3918, 0.3071, 0.3374

Protanomaly

82.3417, 0.3157, 0.3363

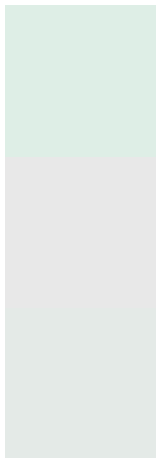
Deuteranomaly

81.9760, 0.3209, 0.3290

Tritanomaly

82.0168, 0.3001, 0.3186

Monochromacy



Original Color

82.3918, 0.3071, 0.3374

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.1091, 0.3106, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3918, 0.3071, 0.3374 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(222, 238, 230)` looks like.

```
.text, #text, p{  
    color:rgb(222, 238, 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(222, 238, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 238, 230) }
```

Border

The CSS property to change the border of an element to Yxy 82.3918, 0.3071, 0.3374 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(222, 238, 230) }
```

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

```
.border{ border-color:rgb(222, 238, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 238, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 238, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 238, 230);  
box-shadow:4px 4px 4px 4px rgb(222, 238,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3918, 0.3071, 0.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 238, 230) }
```

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

```
.background{ background-color: rgb(222,  
238, 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](#).

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