

Converting Colors

Yxy(83.9291, 0.3082, 0.3488)

Have a look what the booklet for
Yxy(83.9291, 0.3082, 0.3488)
contains.

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Color

Yxy(83.7915, 0.3079, 0.3481)

Conversions

Conversions Part 1

Format	Color
Hex	DAF2E0
RGB	218, 242, 224
RGB Percent	85%, 95%, 88%
CMY	0.1452, 0.0509, 0.1215
CMYK	0.10, 0.00, 0.07, 0.05
HSL	135°, 48%, 90%
HSV	135°, 10%, 95%
XYZ	74.1149, 83.7915, 82.8046
YIQ	232.7720, -8.5260, -10.6860

Conversions

Conversions Part 2

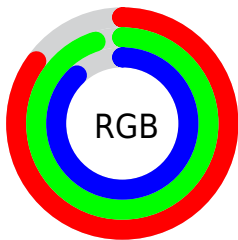
Format	Color
R _{YB}	218, 237, 242
Decimal	14349024
CIE Lab	93.36, -11.17, 6.00
CIE LCh	93, 12.674, 151.764
Yxy	83.7915, 0.3079, 0.3481
Android (android.graphics.Color)	4292539104 (0xFFDAF2E0)
YUV	232.7720, -4.3246, -12.9550
Hunter-Lab	91.5377, -15.6657, 10.4429

Details

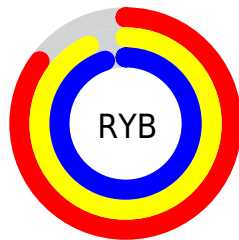
The Yxy color **83.7915, 0.3079, 0.3481** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.0585, 0.3179, 0.3106**, and the grayscale version is **81.3423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7689, 0.3067, 0.3524** is the 20% darker color. If you saturate the color by 10%, you get **79.4023, 0.3031, 0.3698**, and if you desaturate by 10%, it is **88.8371, 0.3127, 0.3289**.

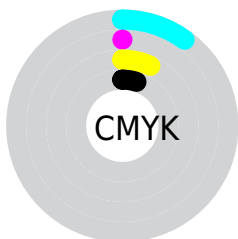
Distribution



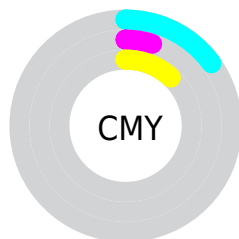
- Red (85%)
- Green (95%)
- Blue (88%)



- Red (85%)
- Yellow (93%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)



- Cyan (15%)
- Magenta (5%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7915, 0.3079, 0.3481 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 83.7915, 0.3079, 0.3481 by changing the saturation by 10% instead.

83.7915, 0.3079,
0.3481

83.7915, 0.3079,
0.3481

507.6206, 0.3101,
0.3394

62.8433, 0.3074,
0.3501

138.6835, 0.3087,
0.3451

45.7145, 0.3068,
0.3525

173.3961, 0.3090,
0.3439

32.0206, 0.3059,
0.3556

213.4655, 0.3092,
0.3429

21.3772, 0.3049,
0.3596

259.2764, 0.3095,
0.3420

13.4000, 0.3034,
0.3650

311.2129, 0.3097,
0.3412

7.7046, 0.3014,
0.3727

369.6595, 0.3098,

3.9065, 0.2981,

0.3405

435.0006, 0.3100,
0.3399

0.3846

1.6214, 0.2921,
0.4055

0.3720, 0.1788,
0.8212

83.7915, 0.3079,
0.3481

83.7915, 0.3079,
0.3481

79.4023, 0.3031,
0.3698

88.8371, 0.3127,
0.3289

75.6321, 0.2984,
0.3940

91.9916, 0.3133,
0.3166

72.4558, 0.2943,
0.4203

69.8425, 0.2908,
0.4484

■ 67.7583, 0.2884,
0.4772

■ 66.1657, 0.2873,
0.5055

■ 65.0223, 0.2877,
0.5318

■ 64.2775, 0.2895,
0.5546

■ 63.8505, 0.2924,
0.5727

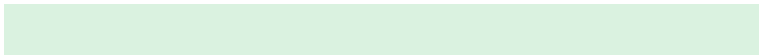
Harmonies

Analogous

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



83.7915, 0.3226, 0.3542



83.7915, 0.3079, 0.3481



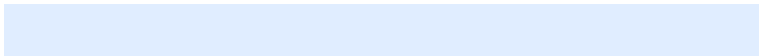
83.7915, 0.2948, 0.3365

Triad

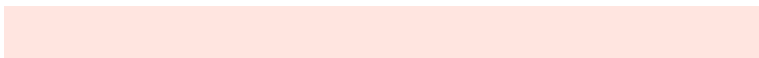
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7915, 0.3079, 0.3481



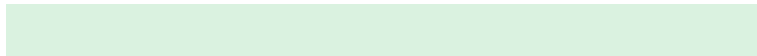
83.7915, 0.2908, 0.3052



83.7915, 0.3397, 0.3340

Complementary

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



83.7915, 0.3079, 0.3481



75.0585, 0.3179, 0.3106

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.



83.7915, 0.3308, 0.3214



83.7915, 0.3079, 0.3481



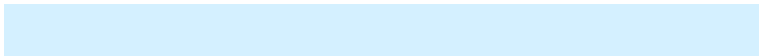
83.7915, 0.3025, 0.3051

Square

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



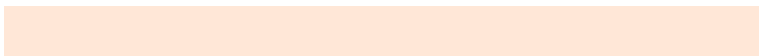
83.7915, 0.3079, 0.3481



83.7915, 0.2851, 0.3117



83.7915, 0.3171, 0.3110



83.7915, 0.3411, 0.3456

Rectangle

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



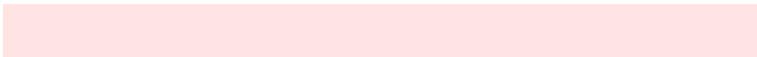
83.7915, 0.3079, 0.3481



83.7915, 0.2885, 0.3275



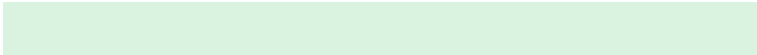
83.7915, 0.3171, 0.3110



83.7915, 0.3375, 0.3297

Sweetspot

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



83.7951, 0.3079, 0.3481



98.2147, 0.3113, 0.3345



86.4048, 0.3235, 0.3538



20.9223, 0.3109, 0.3360



0.0000, 0.0000, 0.0000



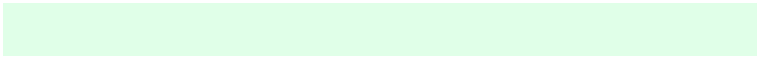
21.4041, 0.3127, 0.3290

Same Dimension

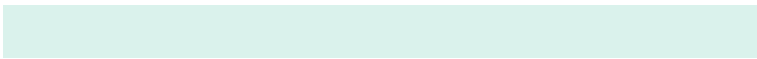
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7951, 0.3079, 0.3481



93.2637, 0.3069, 0.3524



84.4681, 0.3009, 0.3353



17.7217, 0.3081, 0.3472



34.3143, 0.2917, 0.5702



2.8701, 0.2848, 0.5452

Inverse Universe

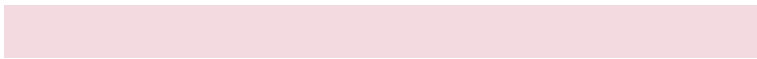
The Inverse Universe completely reimagines the original color for something new.



75.0585, 0.3179, 0.3106



81.5199, 0.3191, 0.3066



74.3857, 0.3261, 0.3228



15.9594, 0.3176, 0.3115



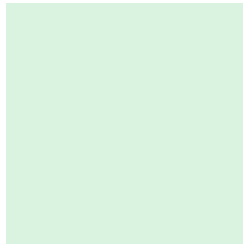
11.9570, 0.3969, 0.1960



1.0106, 0.3847, 0.1893

Previews

White Background



This preview shows how the Yxy color 83.7915, 0.3079, 0.3481 looks on a white background.

Color Contrast Check

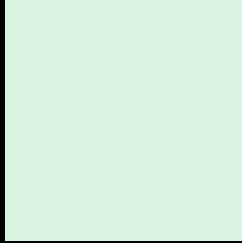
Large Text (above 18pt) WCAG AA × Fail

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 83.7915, 0.3079, 0.3481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

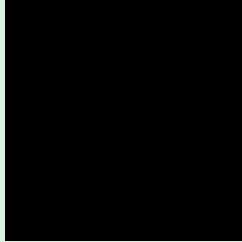
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

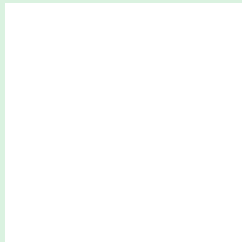
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7915, 0.3079, 0.3481

Background



This preview shows how black text looks on a background with the Yxy color 83.7915, 0.3079, 0.3481.

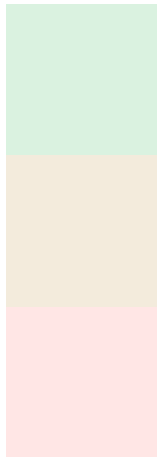


This preview shows how white text looks on a background with the Yxy color 83.7915, 0.3079, 0.3481.

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

83.7915, 0.3079, 0.3481

Protanopia

83.6387, 0.3277, 0.3444

Deuteranopia

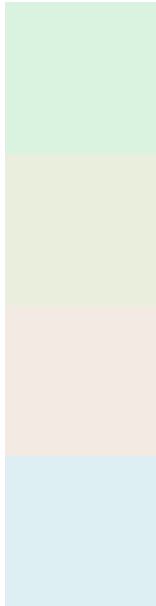
83.5108, 0.3307, 0.3300



Tritanopia

83.6357, 0.2936, 0.3106

Trichromacy



Original Color

83.7915, 0.3079, 0.3481

Protanomaly

83.8620, 0.3206, 0.3466

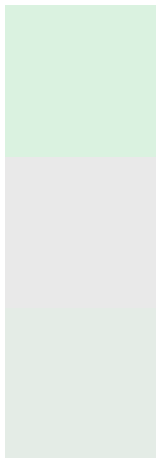
Deuteranomaly

83.2689, 0.3226, 0.3362

Tritanomaly

83.7943, 0.2988, 0.3238

Monochromacy



Original Color

83.7915, 0.3079, 0.3481

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.1981, 0.3111, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7915, 0.3079, 0.3481 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(218, 242, 224)` looks like.

```
.text, #text, p{  
    color:rgb(218, 242, 224)  
}
```

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(218, 242, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 242, 224) }
```

Border

The CSS property to change the border of an element to Yxy 83.7915, 0.3079, 0.3481 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(218, 242, 224) }
```

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

```
.border{ border-color:rgb(218, 242, 224) }
```

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

Here you see how a box with a 4 pixel rgb(218, 242, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 242, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 242, 224);  
box-shadow:4px 4px 4px 4px rgb(218, 242,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7915, 0.3079, 0.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 242, 224) }
```

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

```
.background{ background-color: rgb(218,  
242, 224) }
```

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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