

Converting Colors

$Yxy(83.2062, 0.3128, 0.3579)$

Have a look what the booklet for
Yxy(83.2062, 0.3128, 0.3579)
contains.

Yxy(83.1623, 0.3127, 0.3580)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.1623, 0.3127, 0.3580)

Conversions

Conversions Part 1

Format	Color
Hex	D9F2D7
RGB	217, 242, 215
RGB Percent	85%, 95%, 84%
CMY	0.1489, 0.0510, 0.1570
CMYK	0.10, 0.00, 0.11, 0.05
HSL	115°, 51%, 90%
HSV	115°, 11%, 95%
XYZ	72.6392, 83.1623, 76.4954
YIQ	231.4470, -6.2330, -13.6970

Conversions

Conversions Part 2

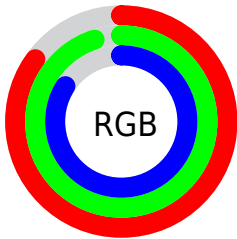
Format	Color
R _Y B	215, 242, 240
Decimal	14283479
CIE Lab	93.09, -13.06, 10.28
CIE LCh	93, 16.620, 141.781
Yxy	83.1623, 0.3127, 0.3580
Android (android.graphics.Color)	4292473559 (0xFFD9F2D7)
YUV	231.4470, -8.1084, -12.6700
Hunter-Lab	91.1934, -17.4058, 14.1014

Details

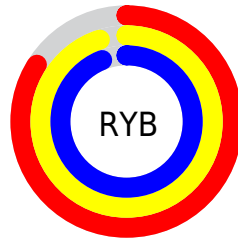
The Yxy color **83.1623, 0.3127, 0.3580** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.5121, 0.3125, 0.3014**, and the grayscale version is **80.3322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3373, 0.3127, 0.3653** is the 20% darker color. If you saturate the color by 10%, you get **78.8156, 0.3125, 0.3875**, and if you desaturate by 10%, it is **88.1639, 0.3127, 0.3318**.

Distribution



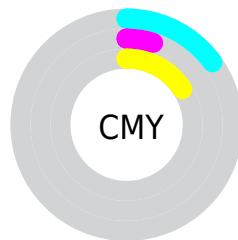
- Red (85%)
- Green (95%)
- Blue (84%)



- Red (84%)
- Yellow (95%)
- Blue (94%)



- Cyan (10%)
- Magenta (0%)
- Yellow (11%)
- Black (5%)





- Cyan (15%)
- Magenta (5%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1623, 0.3127, 0.3580 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 83.1623, 0.3127, 0.3580 by changing the saturation by 10% instead.


 83.1623, 0.3127,
0.3580

 83.1623, 0.3127,
0.3580


505.5273, 0.3128,
0.3446

 62.3240, 0.3126,
0.3610


137.8028, 0.3128,
0.3534

 45.2946, 0.3125,
0.3648


172.3737, 0.3128,
0.3516

 31.6895, 0.3124,
0.3696


212.2911, 0.3128,
0.3500

 21.1245, 0.3122,
0.3758

257.9392, 0.3128,
0.3487

 13.2150, 0.3118,
0.3842

309.7025, 0.3128,
0.3475

 7.5768, 0.3111,
0.3963

367.9654, 0.3128,

 3.8254, 0.3098,

0.3464

0.4152

433.1121, 0.3128,
0.3455

■ 1.5764, 0.3067,
0.4488

■ 0.3416, 0.0170,
0.9830

■ 83.1623, 0.3127,
0.3580

■ 83.1623, 0.3127,
0.3580

■ 78.8156, 0.3125,
0.3875

■ 88.1639, 0.3127,
0.3318

■ 75.0866, 0.3120,
0.4200

■ 91.9828, 0.3133,
0.3165

■ 71.9505, 0.3112,
0.4547

■ 69.3766, 0.3100,
0.4902

■ 67.3317, 0.3085,
0.5242

■ 65.7787, 0.3067,
0.5540

■ 64.6761, 0.3047,
0.5773

■ 63.9751, 0.3027,
0.5922

■ 63.6363, 0.3013,
0.5990

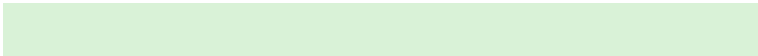
Harmonies

Analogous

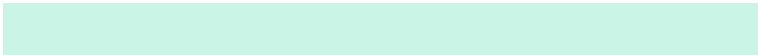
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1623, 0.3315, 0.3629



83.1623, 0.3127, 0.3580



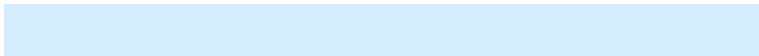
83.1623, 0.2943, 0.3446

Triad

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



83.1623, 0.3127, 0.3580



83.1623, 0.2806, 0.2997



83.1623, 0.3453, 0.3298

Complementary

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



83.1623, 0.3127, 0.3580



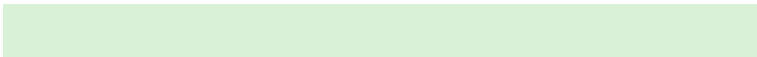
73.5121, 0.3125, 0.3014

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.



83.1623, 0.3309, 0.3140



83.1623, 0.3127, 0.3580



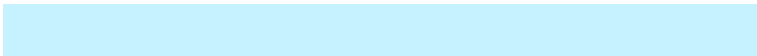
83.1623, 0.2935, 0.2969

Square

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



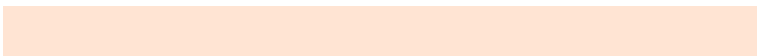
83.1623, 0.3127, 0.3580



83.1623, 0.2761, 0.3104



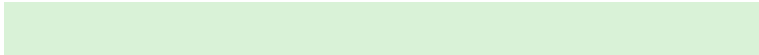
83.1623, 0.3118, 0.3022



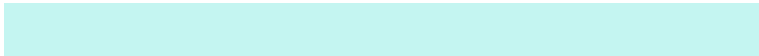
83.1623, 0.3507, 0.3458

Rectangle

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



83.1623, 0.3127, 0.3580



83.1623, 0.2847, 0.3329



83.1623, 0.3118, 0.3022



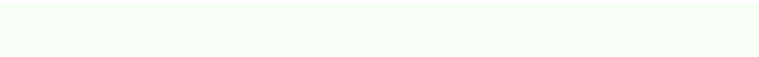
83.1623, 0.3414, 0.3243

Sweetspot

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



83.1659, 0.3127, 0.3580



98.2016, 0.3127, 0.3364



85.9523, 0.3297, 0.3543



20.9188, 0.3127, 0.3384



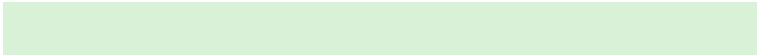
0.0000, 0.0000, 0.0000



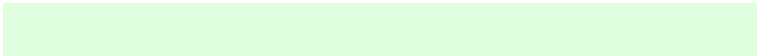
21.4041, 0.3127, 0.3290

Same Dimension

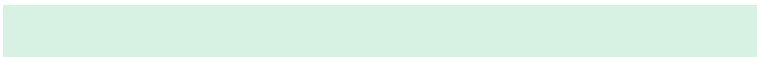
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1659, 0.3127, 0.3580



92.6948, 0.3127, 0.3633



83.4499, 0.3047, 0.3458



17.7141, 0.3127, 0.3533



34.2087, 0.3017, 0.5987



2.8657, 0.3059, 0.5953

Inverse Universe

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



73.5121, 0.3125, 0.3014



80.1653, 0.3125, 0.2966



73.2197, 0.3217, 0.3128



15.9663, 0.3126, 0.3057



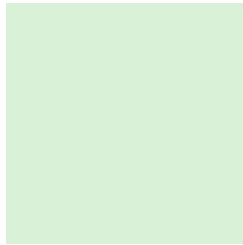
11.9411, 0.3018, 0.1436



1.0115, 0.3045, 0.1451

Previews

White Background



This preview shows how the Yxy color 83.1623, 0.3127, 0.3580 looks on a white background.

Color Contrast Check

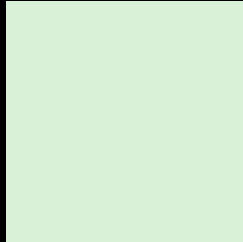
Large Text (above 18pt) WCAG AA × Fail

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 83.1623, 0.3127, 0.3580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

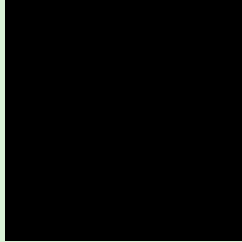
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

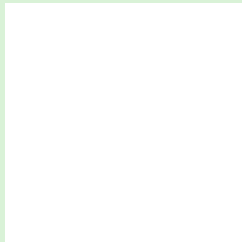
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1623, 0.3127, 0.3580

Background



This preview shows how black text looks on a background with the Yxy color 83.1623, 0.3127, 0.3580.

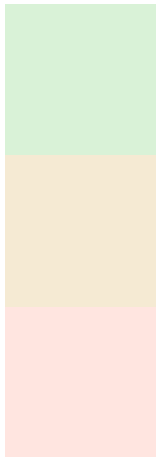


This preview shows how white text looks on a background with the Yxy color 83.1623, 0.3127, 0.3580.

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



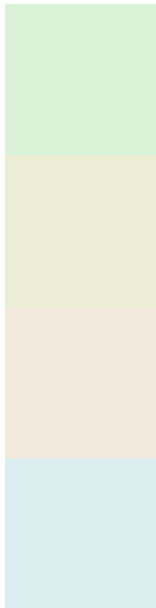
Original Color
83.1623, 0.3127, 0.3580
Protanopia
82.9613, 0.3351, 0.3526
Deuteranopia
82.6804, 0.3342, 0.3340



Tritanopia

82.8989, 0.2930, 0.3095

Trichromacy



Original Color

83.1623, 0.3127, 0.3580

Protanomaly

82.9840, 0.3271, 0.3551

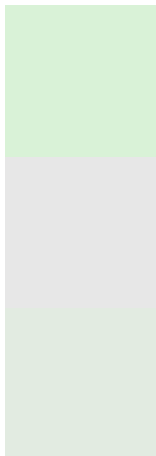
Deuteranomaly

82.7669, 0.3258, 0.3424

Tritanomaly

82.8125, 0.3005, 0.3269

Monochromacy



Original Color

83.1623, 0.3127, 0.3580

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

81.0217, 0.3129, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1623, 0.3127, 0.3580 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(217, 242, 215)` looks like.

```
.text, #text, p{  
    color:rgb(217, 242, 215)  
}
```

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(217, 242, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 242, 215) }
```

Border

The CSS property to change the border of an element to Yxy 83.1623, 0.3127, 0.3580 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(217, 242, 215) }
```

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

```
.border{ border-color:rgb(217, 242, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 242, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 242, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 242, 215);  
box-shadow:4px 4px 4px 4px rgb(217, 242,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1623, 0.3127, 0.3580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 242, 215) }
```

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

```
.background{ background-color: rgb(217,  
242, 215) }
```

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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