

Converting Colors

$Yxy(83.7746, 0.3113, 0.3586)$

Have a look what the booklet for
Yxy(83.7746, 0.3113, 0.3586)
contains.

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Color

Yxy(83.6580, 0.3114, 0.3580)

Conversions

Conversions Part 1

Format	Color
Hex	D8F3D8
RGB	216, 243, 216
RGB Percent	85%, 95%, 85%
CMY	0.1528, 0.0471, 0.1531
CMYK	0.11, 0.00, 0.11, 0.05
HSL	120°, 53%, 90%
HSV	120°, 11%, 95%
XYZ	72.7684, 83.6580, 77.2551
YIQ	231.8490, -7.4250, -14.1210

Conversions

Conversions Part 2

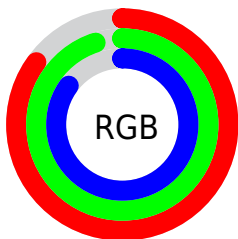
Format	Color
R _Y B	216, 243, 243
Decimal	14218200
CIE Lab	93.30, -13.72, 10.07
CIE LCh	93, 17.017, 143.724
Yxy	83.6580, 0.3114, 0.3580
Android (android.graphics.Color)	4292408280 (0xFFD8F3D8)
YUV	231.8490, -7.8136, -13.8996
Hunter-Lab	91.4647, -18.0505, 13.9464

Details

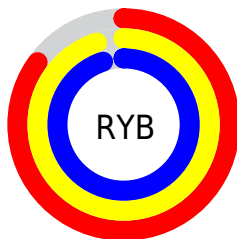
The Yxy color **83.6580, 0.3114, 0.3580** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.6087, 0.3140, 0.3016**, and the grayscale version is **80.6458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6909, 0.3110, 0.3653** is the 20% darker color. If you saturate the color by 10%, you get **79.0721, 0.3100, 0.3878**, and if you desaturate by 10%, it is **88.9815, 0.3126, 0.3317**.

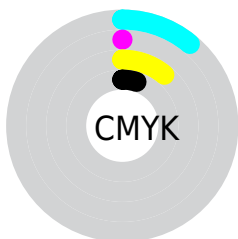
Distribution



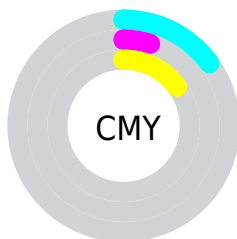
- Red (85%)
- Green (95%)
- Blue (85%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6580, 0.3114, 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 83.6580, 0.3114, 0.3580 by changing the saturation by 10% instead.

83.6580, 0.3114,
0.3580

83.6580, 0.3114,
0.3580

507.1769, 0.3121,
0.3446

62.7331, 0.3112,
0.3610

138.4967, 0.3117,
0.3534

45.6253, 0.3110,
0.3648

173.1792, 0.3118,
0.3516

31.9503, 0.3106,
0.3695

213.2165, 0.3119,
0.3500

21.3235, 0.3101,
0.3757

258.9928, 0.3119,
0.3487

13.3607, 0.3094,
0.3841

310.8926, 0.3120,
0.3475

7.6774, 0.3083,
0.3962

369.3003, 0.3120,

3.8892, 0.3061,

0.3464

0.4150

434.6003, 0.3121,
0.3455

■ 1.6118, 0.3017,
0.4482

■ 0.3655, 0.0331,
0.9669

■ 83.6580, 0.3114,
0.3580

■ 83.6580, 0.3114,
0.3580

■ 79.0721, 0.3100,
0.3878

■ 88.9815, 0.3126,
0.3317

■ 75.1812, 0.3085,
0.4209

■ 92.5808, 0.3133,
0.3175

■ 71.9545, 0.3069,
0.4563

■ 69.3551, 0.3052,
0.4924

■ 67.3421, 0.3036,
0.5270

■ 65.8700, 0.3022,
0.5570

■ 64.8865, 0.3010,
0.5799

■ 64.3292, 0.3003,
0.5940

■ 64.1048, 0.3000,
0.6000

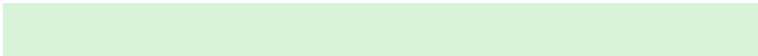
Harmonies

Analogous

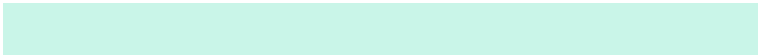
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6580, 0.3308, 0.3636



83.6580, 0.3114, 0.3580



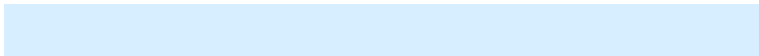
83.6580, 0.2928, 0.3438

Triad

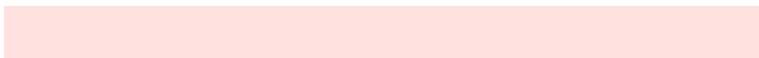
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6580, 0.3114, 0.3580



83.6580, 0.2805, 0.2987



83.6580, 0.3467, 0.3309

Complementary

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



83.6580, 0.3114, 0.3580



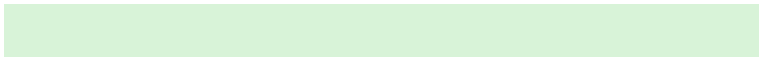
74.6087, 0.3140, 0.3016

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.



83.6580, 0.3325, 0.3147



83.6580, 0.3114, 0.3580



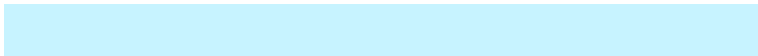
83.6580, 0.2941, 0.2964

Square

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



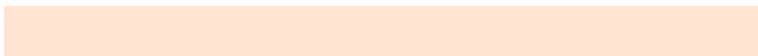
83.6580, 0.3114, 0.3580



83.6580, 0.2754, 0.3091



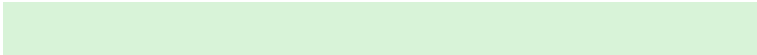
83.6580, 0.3131, 0.3022



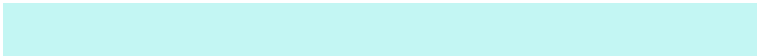
83.6580, 0.3516, 0.3471

Rectangle

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



83.6580, 0.3114, 0.3580



83.6580, 0.2833, 0.3318



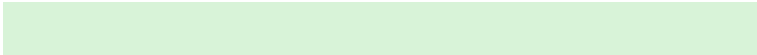
83.6580, 0.3131, 0.3022



83.6580, 0.3429, 0.3253

Sweetspot

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



83.6616, 0.3114, 0.3580



98.0984, 0.3124, 0.3364



87.8423, 0.3294, 0.3560



20.8911, 0.3123, 0.3384



0.0000, 0.0000, 0.0000



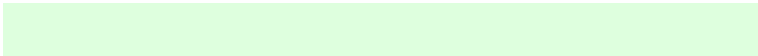
21.4041, 0.3127, 0.3290

Same Dimension

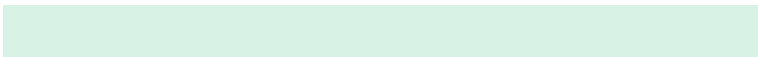
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6616, 0.3114, 0.3580



92.3051, 0.3112, 0.3634



84.3539, 0.3037, 0.3438



18.4741, 0.3116, 0.3535



35.1841, 0.3001, 0.6000



3.0930, 0.3002, 0.5998

Inverse Universe

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



74.6087, 0.3140, 0.3016



80.6269, 0.3142, 0.2968



73.8594, 0.3229, 0.3147



16.7661, 0.3138, 0.3057



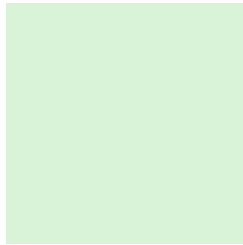
13.9502, 0.3203, 0.1538



1.2268, 0.3204, 0.1539

Previews

White Background



This preview shows how the Yxy color 83.6580, 0.3114, 0.3580 looks on a white background.

Color Contrast Check

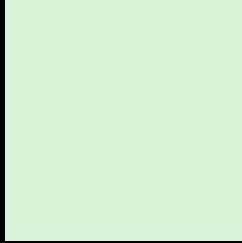
Large Text (above 18pt) WCAG AA × Fail

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 83.6580, 0.3114, 0.3580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

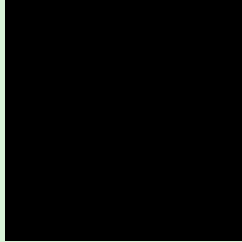
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

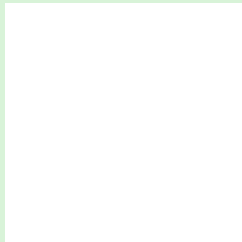
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6580, 0.3114, 0.3580

Background



This preview shows how black text looks on a background with the Yxy color 83.6580, 0.3114, 0.3580.

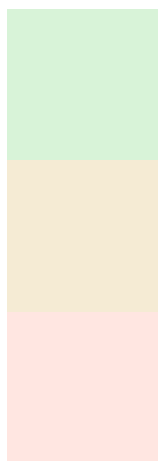


This preview shows how white text looks on a background with the Yxy color 83.6580, 0.3114, 0.3580.

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

83.6580, 0.3114, 0.3580

Protanopia

83.5826, 0.3343, 0.3526

Deuteranopia

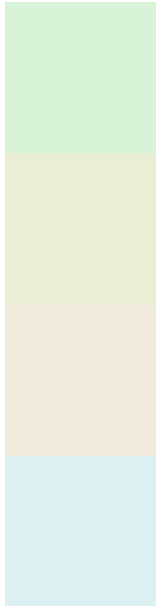
83.2899, 0.3334, 0.3340



Tritanopia

83.4763, 0.2930, 0.3105

Trichromacy



Original Color

83.6580, 0.3114, 0.3580

Protanomaly

83.4456, 0.3256, 0.3551

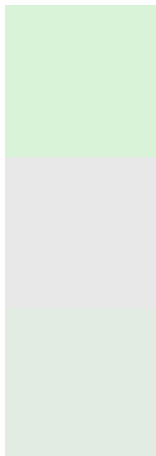
Deuteranomaly

83.3914, 0.3250, 0.3423

Tritanomaly

83.2995, 0.2992, 0.3269

Monochromacy



Original Color

83.6580, 0.3114, 0.3580

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.6506, 0.3122, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6580, 0.3114, 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(216, 243, 216)` looks like.

```
.text, #text, p{  
    color:rgb(216, 243, 216)  
}
```

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(216, 243, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 243, 216) }
```

Border

The CSS property to change the border of an element to Yxy 83.6580, 0.3114, 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(216, 243, 216) }
```

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

```
.border{ border-color:rgb(216, 243, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 243, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 243, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 243, 216);  
box-shadow:4px 4px 4px 4px rgb(216, 243,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6580, 0.3114, 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(216, 243, 216) }
```

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

```
.background{ background-color: rgb(216,  
243, 216) }
```

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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