

Converting Colors

Yxy(81.8690, 0.3116, 0.3609)

Have a look what the booklet for
Yxy(81.8690, 0.3116, 0.3609)
contains.

Yxy(81.6611, 0.3112, 0.3606)	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(81.6611, 0.3112, 0.3606)

Conversions

Conversions Part 1

Format	Color
Hex	D4F1D4
RGB	212, 241, 212
RGB Percent	83%, 95%, 83%
CMY	0.1689, 0.0548, 0.1687
CMYK	0.12, 0.00, 0.12, 0.05
HSL	120°, 51%, 89%
HSV	120°, 12%, 95%
XYZ	70.4740, 81.6611, 74.3238
YIQ	229.0230, -7.9750, -15.1670

Conversions

Conversions Part 2

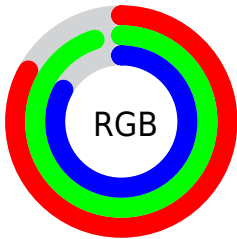
Format	Color
R _Y B	212, 241, 241
Decimal	13955540
CIE Lab	92.43, -14.80, 10.84
CIE LCh	92, 18.346, 143.772
Yxy	81.6611, 0.3112, 0.3606
Android (android.graphics.Color)	4292145620 (0xFFD4F1D4)
YUV	229.0230, -8.3923, -14.9292
Hunter-Lab	90.3665, -18.9349, 14.4923

Details

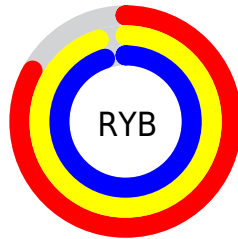
The Yxy color **81.6611, 0.3112, 0.3606** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.1078, 0.3141, 0.2993**, and the grayscale version is **78.4330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3003, 0.3108, 0.3688** is the 20% darker color. If you saturate the color by 10%, you get **77.2223, 0.3098, 0.3907**, and if you desaturate by 10%, it is **86.8224, 0.3125, 0.3341**.

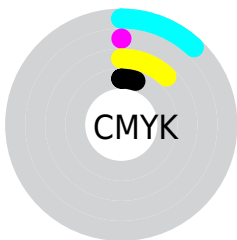
Distribution



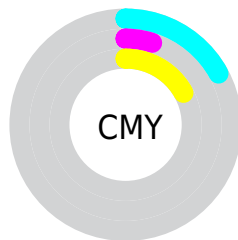
- Red (83%)
- Green (95%)
- Blue (83%)



- Red (83%)
- Yellow (95%)
- Blue (95%)



- Cyan (12%)
- Magenta (0%)
- Yellow (12%)
- Black (5%)



- Cyan (17%)
- Magenta (5%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6611, 0.3112, 0.3606 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 81.6611, 0.3112, 0.3606 by changing the saturation by 10% instead.

■ 81.6611, 0.3112,
0.3606

■ 81.6611, 0.3112,
0.3606

500.5134, 0.3120,
0.3460

■ 61.0862, 0.3110,
0.3640

135.6986, 0.3115,
0.3555

■ 44.2948, 0.3107,
0.3681

169.9301, 0.3116,
0.3535

■ 30.9023, 0.3103,
0.3734

209.4826, 0.3117,
0.3518

■ 20.5245, 0.3097,
0.3803

254.7404, 0.3118,
0.3504

■ 12.7769, 0.3088,
0.3897

306.0880, 0.3119,
0.3491

■ 7.2751, 0.3074,
0.4033

363.9098, 0.3119,

■ 3.6347, 0.3048,

0.3479

0.4247

428.5901, 0.3120,
0.3469

■ 1.4714, 0.3006,
0.4654

■ 0.2685, 0.0000,
1.0000

■ 81.6611, 0.3112,
0.3606

■ 81.6611, 0.3112,
0.3606

■ 77.2223, 0.3098,
0.3907

■ 86.8224, 0.3125,
0.3341

■ 73.4639, 0.3082,
0.4239

■ 91.4048, 0.3133,
0.3156

■ 70.3555, 0.3065,
0.4594

■ 67.8602, 0.3048,
0.4955

■ 65.9376, 0.3032,
0.5298

■ 64.5422, 0.3018,
0.5593

■ 63.6216, 0.3008,
0.5814

■ 63.1131, 0.3002,
0.5948

■ 62.9257, 0.3000,
0.5999

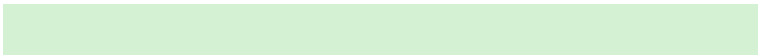
Harmonies

Analogous

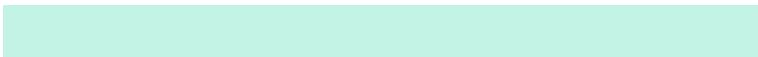
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6611, 0.3322, 0.3667



81.6611, 0.3112, 0.3606



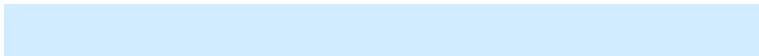
81.6611, 0.2911, 0.3451

Triad

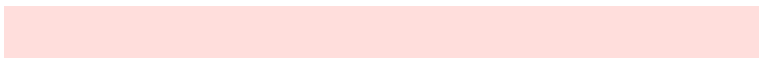
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.6611, 0.3112, 0.3606



81.6611, 0.2778, 0.2960



81.6611, 0.3497, 0.3310

Complementary

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



81.6611, 0.3112, 0.3606



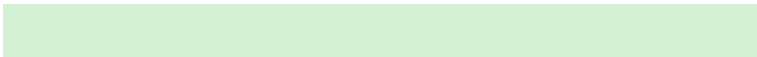
72.1078, 0.3141, 0.2993

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.



81.6611, 0.3342, 0.3135



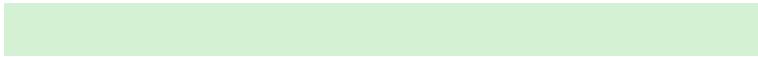
81.6611, 0.3112, 0.3606



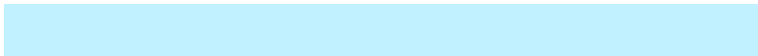
81.6611, 0.2925, 0.2936

Square

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



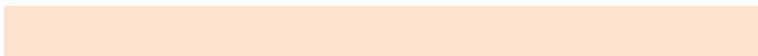
81.6611, 0.3112, 0.3606



81.6611, 0.2722, 0.3073



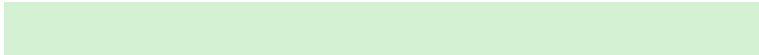
81.6611, 0.3131, 0.3000



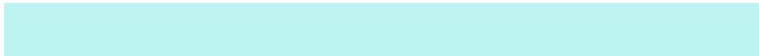
81.6611, 0.3550, 0.3486

Rectangle

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



81.6611, 0.3112, 0.3606



81.6611, 0.2808, 0.3319



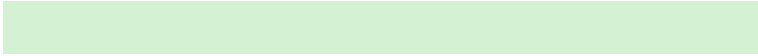
81.6611, 0.3131, 0.3000



81.6611, 0.3455, 0.3249

Sweetspot

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



81.6646, 0.3112, 0.3606



97.4780, 0.3122, 0.3389



86.3798, 0.3308, 0.3588



20.7660, 0.3121, 0.3409



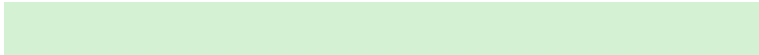
0.0000, 0.0000, 0.0000



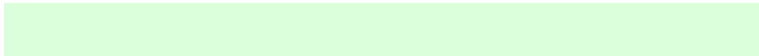
21.4041, 0.3127, 0.3290

Same Dimension

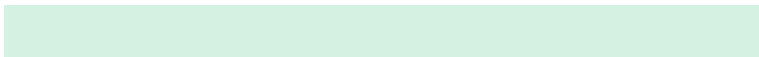
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6646, 0.3112, 0.3606



91.7603, 0.3109, 0.3663



82.4292, 0.3026, 0.3446



17.6569, 0.3115, 0.3534



34.1157, 0.3000, 0.5999



2.8383, 0.2999, 0.5996

Inverse Universe

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



72.1078, 0.3141, 0.2993



79.2956, 0.3144, 0.2944



71.2759, 0.3242, 0.3139



16.0309, 0.3138, 0.3058



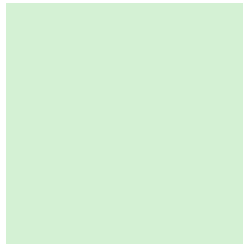
13.5714, 0.3214, 0.1544



1.1292, 0.3213, 0.1544

Previews

White Background



This preview shows how the Yxy color 81.6611, 0.3112, 0.3606 looks on a white background.

Color Contrast Check

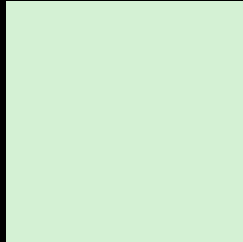
Large Text (above 18pt) WCAG AA × Fail

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 81.6611, 0.3112, 0.3606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

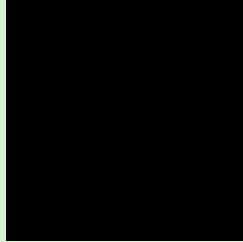
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

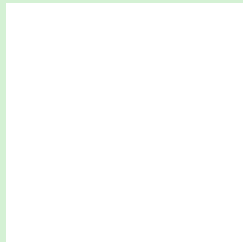
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6611, 0.3112, 0.3606

Background



This preview shows how black text looks on a background with the Yxy color 81.6611, 0.3112, 0.3606.

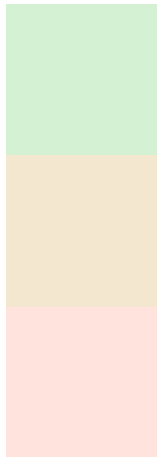


This preview shows how white text looks on a background with the Yxy color 81.6611, 0.3112, 0.3606.

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

81.6611, 0.3112, 0.3606

Protanopia

81.2729, 0.3366, 0.3549

Deuteranopia

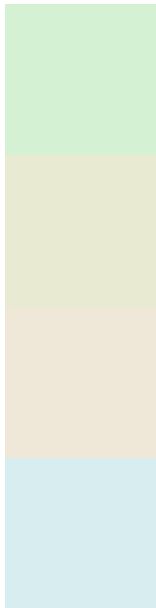
81.3655, 0.3372, 0.3361



Tritanopia

81.6325, 0.2910, 0.3093

Trichromacy



Original Color

81.6611, 0.3112, 0.3606

Protanomaly

81.1759, 0.3271, 0.3564

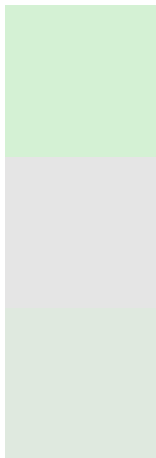
Deuteranomaly

81.0737, 0.3272, 0.3446

Tritanomaly

81.3993, 0.2979, 0.3268

Monochromacy



Original Color

81.6611, 0.3112, 0.3606

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.2935, 0.3122, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6611, 0.3112, 0.3606 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(212, 241, 212)` looks like.

```
.text, #text, p{  
    color:rgb(212, 241, 212)  
}
```

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(212, 241, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 241, 212) }
```

Border

The CSS property to change the border of an element to Yxy 81.6611, 0.3112, 0.3606 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(212, 241, 212) }
```

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

```
.border{ border-color:rgb(212, 241, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 241, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 241, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 241, 212);  
box-shadow:4px 4px 4px 4px rgb(212, 241,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6611, 0.3112, 0.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 241, 212) }
```

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

```
.background{ background-color: rgb(212,  
241, 212) }
```

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