

Converting Colors

$Yxy(81.9474, 0.3219, 0.3753)$

Have a look what the booklet for
Yxy(81.9474, 0.3219, 0.3753)
contains.

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Color

Yxy(81.6330, 0.3218, 0.3748)

Conversions

Conversions Part 1

Format	Color
Hex	D8F1C7
RGB	216, 241, 199
RGB Percent	85%, 95%, 78%
CMY	0.1528, 0.0549, 0.2197
CMYK	0.10, 0.00, 0.17, 0.05
HSL	96°, 60%, 86%
HSV	96°, 17%, 95%
XYZ	70.0894, 81.6330, 66.0818
YIQ	228.7370, -1.4180, -18.3620

Conversions

Conversions Part 2

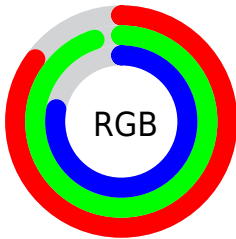
Format	Color
RYB	199, 241, 224
Decimal	14217671
CIELab	92.41, -15.57, 17.59
CIELCh	92, 23.489, 131.519
Yxy	81.6330, 0.3218, 0.3748
Android (android.graphics.Color)	4292407751 (0xFFD8F1C7)
YUV	228.7370, -14.6603, -11.1703
Hunter-Lab	90.3510, -19.6436, 19.8816

Details

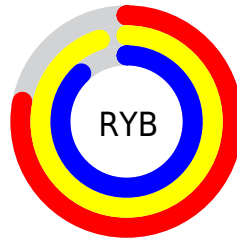
The Yxy color **81.6330, 0.3218, 0.3748** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.0254, 0.3020, 0.2840**, and the grayscale version is **78.2672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3193, 0.3235, 0.3859** is the 20% darker color. If you saturate the color by 10%, you get **78.5176, 0.3266, 0.4041**, and if you desaturate by 10%, it is **85.1227, 0.3166, 0.3476**.

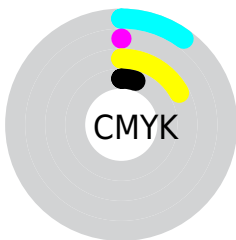
Distribution



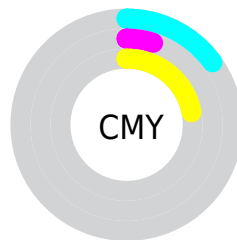
- Red (85%)
- Green (95%)
- Blue (78%)



- Red (78%)
- Yellow (95%)
- Blue (88%)



- Cyan (10%)
- Magenta (0%)
- Yellow (17%)
- Black (5%)



- Cyan (15%)
- Magenta (5%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6330, 0.3218, 0.3748 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 81.6330, 0.3218, 0.3748 by changing the saturation by 10% instead.

81.6330, 0.3218,
0.3748

81.6330, 0.3218,
0.3748

500.4193, 0.3180,
0.3535

61.0631, 0.3226,
0.3797

135.6592, 0.3205,
0.3674

44.2761, 0.3235,
0.3857

169.8843, 0.3200,
0.3645

30.8876, 0.3246,
0.3934

209.4299, 0.3196,
0.3620

20.5133, 0.3259,
0.4035

254.6804, 0.3192,
0.3599

12.7687, 0.3274,
0.4172

306.0202, 0.3188,
0.3580

7.2695, 0.3291,
0.4369

363.8337, 0.3185,

3.6312, 0.3305,

0.3563

0.4677

428.5052, 0.3182,
0.3548

■ 1.4695, 0.3485,
0.5514

■ 0.2671, 0.0000,
1.0000

■ 81.6330, 0.3218,
0.3748

■ 81.6330, 0.3218,
0.3748

■ 78.5176, 0.3266,
0.4041

■ 85.1227, 0.3166,
0.3476

■ 75.7528, 0.3309,
0.4350

■ 88.9884, 0.3114,
0.3229

■ 73.3281, 0.3341,
0.4665

■ 91.3890, 0.3133,
0.3156

■ 71.2284, 0.3359,
0.4971

■ 69.4374, 0.3360,
0.5251

■ 67.9368, 0.3342,
0.5489

■ 66.7060, 0.3304,
0.5670

■ 65.7195, 0.3251,
0.5788

■ 65.4974, 0.3237,
0.5812

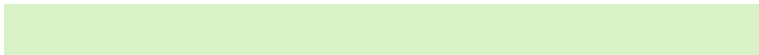
Harmonies

Analogous

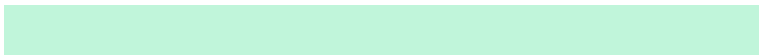
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6330, 0.3472, 0.3765



81.6330, 0.3218, 0.3748



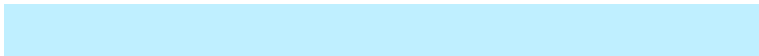
81.6330, 0.2948, 0.3591

Triad

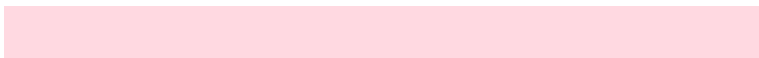
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.6330, 0.3218, 0.3748



81.6330, 0.2639, 0.2914



81.6330, 0.3534, 0.3219

Complementary

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



81.6330, 0.3218, 0.3748



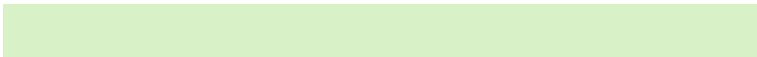
63.0254, 0.3020, 0.2840

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.



81.6330, 0.3295, 0.3015



81.6330, 0.3218, 0.3748



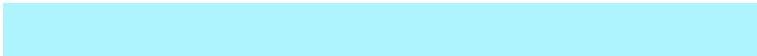
81.6330, 0.2781, 0.2839

Square

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



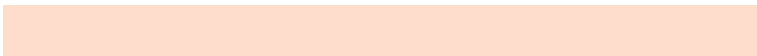
81.6330, 0.3218, 0.3748



81.6330, 0.2622, 0.3095



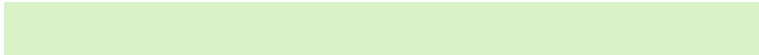
81.6330, 0.3018, 0.2878



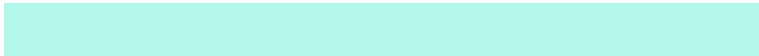
81.6330, 0.3661, 0.3448

Rectangle

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



81.6330, 0.3218, 0.3748



81.6330, 0.2794, 0.3432



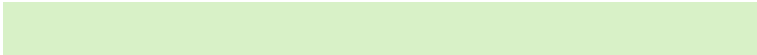
81.6330, 0.3018, 0.2878



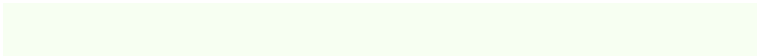
81.6330, 0.3464, 0.3146

Sweetspot

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



81.6365, 0.3218, 0.3748



97.7977, 0.3154, 0.3414



75.8604, 0.3420, 0.3549



20.8684, 0.3157, 0.3432



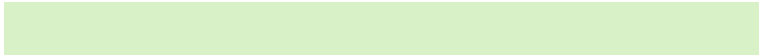
0.0000, 0.0000, 0.0000



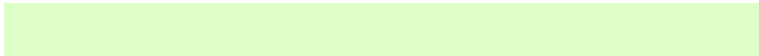
21.4041, 0.3127, 0.3290

Same Dimension

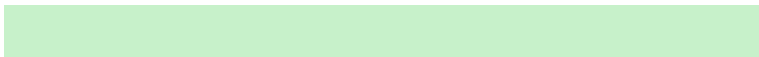
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6365, 0.3218, 0.3748



91.4769, 0.3236, 0.3852



79.3354, 0.3084, 0.3723



17.9696, 0.3177, 0.3530



35.5926, 0.3248, 0.5803



3.0176, 0.3351, 0.5721

Inverse Universe

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



63.0254, 0.3020, 0.2840



66.5704, 0.2994, 0.2740



65.6812, 0.3172, 0.2892



15.6928, 0.3073, 0.3053



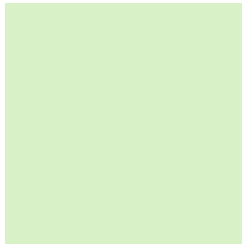
6.6986, 0.2219, 0.0996



0.6152, 0.2346, 0.1066

Previews

White Background



This preview shows how the Yxy color 81.6330, 0.3218, 0.3748 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 81.6330, 0.3218, 0.3748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

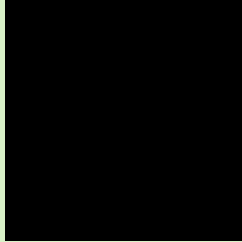
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

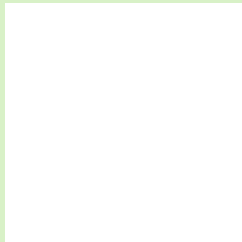
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6330, 0.3218, 0.3748

Background



This preview shows how black text looks on a background with the Yxy color 81.6330, 0.3218, 0.3748.

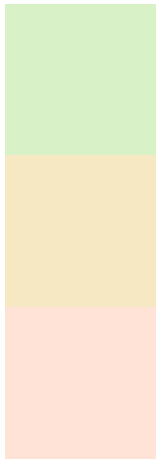


This preview shows how white text looks on a background with the Yxy color 81.6330, 0.3218, 0.3748.

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

81.6330, 0.3218, 0.3748

Protanopia

81.2462, 0.3468, 0.3673

Deuteranopia

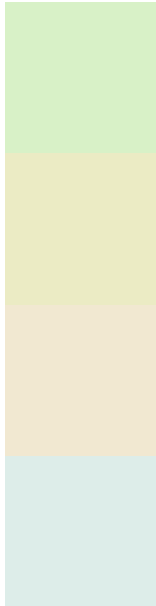
81.0532, 0.3413, 0.3421



Tritanopia

81.7212, 0.2953, 0.3105

Trichromacy



Original Color

81.6330, 0.3218, 0.3748

Protanomaly

81.0644, 0.3376, 0.3702

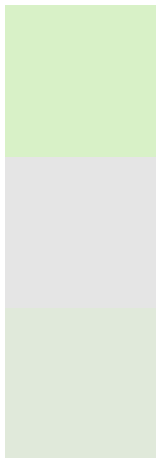
Deuteranomaly

81.0174, 0.3338, 0.3529

Tritanomaly

81.8237, 0.3046, 0.3332

Monochromacy



Original Color

81.6330, 0.3218, 0.3748

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.1871, 0.3160, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6330, 0.3218, 0.3748 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, 241, 199)` looks like.

```
.text, #text, p{  
    color:rgb(216, 241, 199)  
}
```

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, 241, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 241, 199) }
```

Border

The CSS property to change the border of an element to Yxy 81.6330, 0.3218, 0.3748 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, 241, 199) }
```

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

```
.border{ border-color:rgb(216, 241, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 241, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 241, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 241, 199); box-shadow:4px 4px 4px 4px rgb(216, 241, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6330, 0.3218, 0.3748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 241, 199) }
```

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

```
.background{ background-color: rgb(216,  
241, 199) }
```

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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