

Converting Colors

$Yxy(80.7044, 0.3212, 0.3782)$

Have a look what the booklet for
Yxy(80.7044, 0.3212, 0.3782)
contains.

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Color

Yxy(80.8932, 0.3209, 0.3786)

Conversions

Conversions Part 1

Format	Color
Hex	D4F1C4
RGB	212, 241, 196
RGB Percent	83%, 95%, 77%
CMY	0.1687, 0.0549, 0.2315
CMYK	0.12, 0.00, 0.19, 0.05
HSL	99°, 62%, 86%
HSV	99°, 19%, 95%
XYZ	68.5648, 80.8932, 64.2060
YIQ	227.1990, -2.8390, -20.1430

Conversions

Conversions Part 2

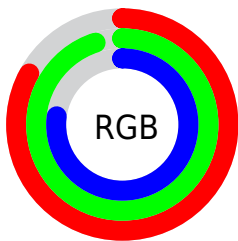
Format	Color
RYB	196, 241, 225
Decimal	13955524
CIELab	92.08, -17.45, 18.64
CIELCh	92, 25.535, 133.120
Yxy	80.8932, 0.3209, 0.3786
Android (android.graphics.Color)	4292145604 (0xFFD4F1C4)
YUV	227.1990, -15.3811, -13.3295
Hunter-Lab	89.9406, -21.3196, 20.6330

Details

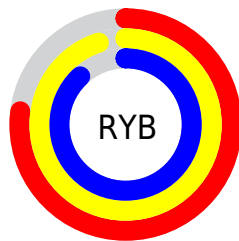
The Yxy color **80.8932, 0.3209, 0.3786** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.8248, 0.3028, 0.2809**, and the grayscale version is **77.0829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **43.8190, 0.3224, 0.3909** is the 20% darker color. If you saturate the color by 10%, you get **77.6880, 0.3249, 0.4085**, and if you desaturate by 10%, it is **84.5037, 0.3166, 0.3510**.

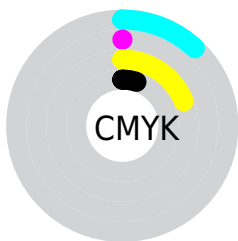
Distribution



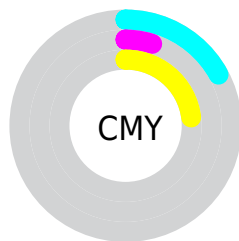
- Red (83%)
- Green (95%)
- Blue (77%)



- Red (77%)
- Yellow (95%)
- Blue (88%)



- Cyan (12%)
- Magenta (0%)
- Yellow (19%)
- Black (5%)




- Cyan (17%)
- Magenta (5%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8932, 0.3209, 0.3786 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 80.8932, 0.3209, 0.3786 by changing the saturation by 10% instead.

 80.8932, 0.3209,
0.3786

 80.8932, 0.3209,
0.3786


497.9379, 0.3175,
0.3554

 60.4536, 0.3216,
0.3839


134.6208, 0.3198,
0.3705

 43.7844, 0.3223,
0.3906


168.6776, 0.3194,
0.3674

 30.5010, 0.3232,
0.3990


208.0423, 0.3190,
0.3647

 20.2192, 0.3242,
0.4100

253.0993, 0.3186,
0.3624

 12.5545, 0.3253,
0.4251

304.2330, 0.3183,
0.3603

 7.1225, 0.3263,
0.4470

361.8277, 0.3180,

 3.5388, 0.3264,

0.3585

0.4812

426.2679, 0.3178,
0.3569

■ 1.4191, 0.3496,
0.5869

■ 0.2307, 0.0000,
1.0000

■ 80.8932, 0.3209,
0.3786

■ 80.8932, 0.3209,
0.3786

■ 77.6880, 0.3249,
0.4085

■ 84.5037, 0.3166,
0.3510

■ 74.8630, 0.3282,
0.4401

■ 88.5228, 0.3121,
0.3259

■ 72.4060, 0.3305,
0.4722

■ 91.3973, 0.3133,
0.3156

■ 70.3003, 0.3314,
0.5033

■ 68.5276, 0.3308,
0.5317

■ 67.0677, 0.3283,
0.5555

■ 65.8975, 0.3242,
0.5731

■ 64.9865, 0.3190,
0.5843

■ 64.8818, 0.3183,
0.5855

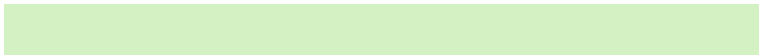
Harmonies

Analogous

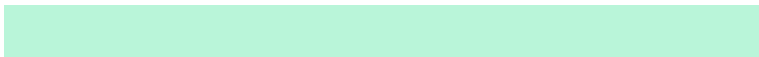
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8932, 0.3489, 0.3811



80.8932, 0.3209, 0.3786



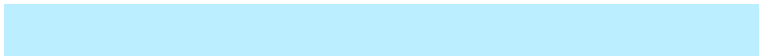
80.8932, 0.2916, 0.3607

Triad

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



80.8932, 0.3209, 0.3786



80.8932, 0.2602, 0.2872



80.8932, 0.3582, 0.3224

Complementary

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



80.8932, 0.3209, 0.3786



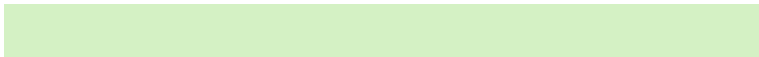
61.8248, 0.3028, 0.2809

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.



80.8932, 0.3325, 0.3001



80.8932, 0.3209, 0.3786



80.8932, 0.2762, 0.2800

Square

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



80.8932, 0.3209, 0.3786



80.8932, 0.2575, 0.3063



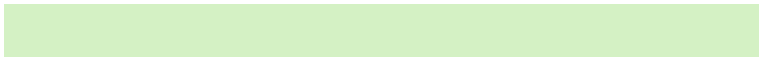
80.8932, 0.3023, 0.2848



80.8932, 0.3713, 0.3472

Rectangle

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



80.8932, 0.3209, 0.3786



80.8932, 0.2753, 0.3429



80.8932, 0.3023, 0.2848



80.8932, 0.3507, 0.3145

Sweetspot

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



80.8967, 0.3209, 0.3786



97.2313, 0.3154, 0.3440



76.2655, 0.3439, 0.3591



20.7492, 0.3157, 0.3457



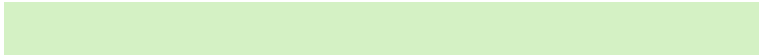
0.0000, 0.0000, 0.0000



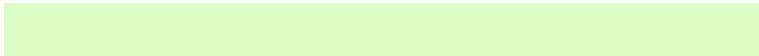
21.4041, 0.3127, 0.3290

Same Dimension

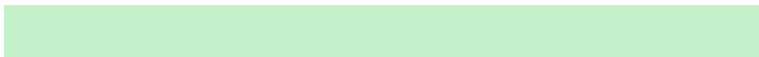
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8967, 0.3209, 0.3786



90.6757, 0.3223, 0.3885



78.9122, 0.3068, 0.3732



17.9298, 0.3169, 0.3530



35.2488, 0.3194, 0.5846



2.9862, 0.3295, 0.5766

Inverse Universe

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



61.8248, 0.3028, 0.2809



65.6915, 0.3007, 0.2716



64.1679, 0.3193, 0.2885



15.7339, 0.3081, 0.3053



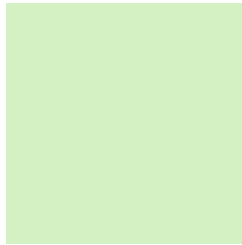
7.3172, 0.2332, 0.1058



0.6643, 0.2448, 0.1122

Previews

White Background



This preview shows how the Yxy color 80.8932, 0.3209, 0.3786 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 80.8932, 0.3209, 0.3786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

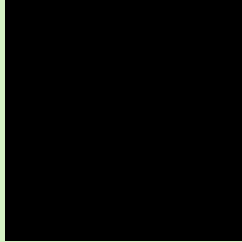
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

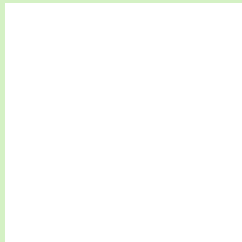
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8932, 0.3209, 0.3786

Background



This preview shows how black text looks on a background with the Yxy color 80.8932, 0.3209, 0.3786.

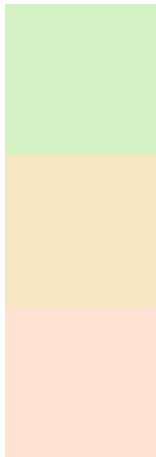


This preview shows how white text looks on a background with the Yxy color 80.8932, 0.3209, 0.3786.

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

80.8932, 0.3209, 0.3786

Protanopia

80.3259, 0.3489, 0.3706

Deuteranopia

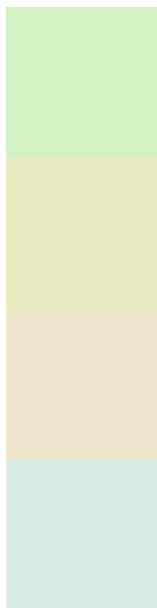
80.3559, 0.3435, 0.3442



Tritanopia

80.6783, 0.2934, 0.3093

Trichromacy



Original Color

80.8932, 0.3209, 0.3786

Protanomaly

80.5906, 0.3382, 0.3736

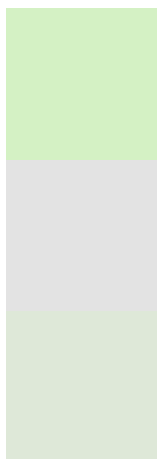
Deuteranomaly

79.9588, 0.3345, 0.3552

Tritanomaly

80.7225, 0.3033, 0.3332

Monochromacy



Original Color

80.8932, 0.3209, 0.3786

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

78.2007, 0.3160, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8932, 0.3209, 0.3786 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(212, 241, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 241, 196) }
```

Border

The CSS property to change the border of an element to Yxy 80.8932, 0.3209, 0.3786 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, 196) }
```

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

```
.border{ border-color:rgb(212, 241, 196) }
```

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, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 241, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 241, 196);  
box-shadow:4px 4px 4px 4px rgb(212, 241,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8932, 0.3209, 0.3786 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, 196) }
```

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

```
.background{ background-color: rgb(212,  
241, 196) }
```

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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