

Converting Colors

$Yxy(83.7805, 0.3226, 0.3673)$

Have a look what the booklet for
Yxy(83.7805, 0.3226, 0.3673)
contains.

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Color

Yxy(83.8078, 0.3228, 0.3674)

Conversions

Conversions Part 1

Format	Color
Hex	E0F2CE
RGB	224, 242, 206
RGB Percent	88%, 95%, 81%
CMY	0.1215, 0.0510, 0.1923
CMYK	0.07, 0.00, 0.15, 0.05
HSL	90°, 58%, 88%
HSV	90°, 15%, 95%
XYZ	73.6341, 83.8078, 70.6686
YIQ	232.5140, 0.8280, -15.0120

Conversions

Conversions Part 2

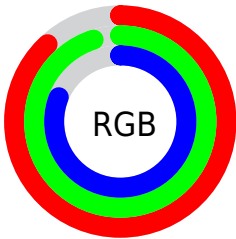
Format	Color
R _Y B	206, 242, 224
Decimal	14742222
CIE Lab	93.37, -12.19, 15.40
CIE LCh	93, 19.644, 128.368
Yxy	83.8078, 0.3228, 0.3674
Android (android.graphics.Color)	4292932302 (0xFFE0F2CE)
YUV	232.5140, -13.0714, -7.4668
Hunter-Lab	91.5466, -16.6329, 18.3142

Details

The Yxy color **83.8078, 0.3228, 0.3674** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.3803, 0.3013, 0.2906**, and the grayscale version is **81.2034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8198, 0.3248, 0.3760** is the 20% darker color. If you saturate the color by 10%, you get **80.8622, 0.3294, 0.3957**, and if you desaturate by 10%, it is **87.0789, 0.3160, 0.3411**.

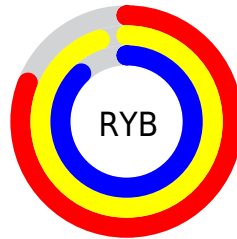
Distribution



Red (88%)

Green (95%)

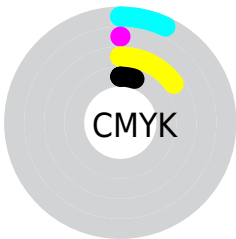
Blue (81%)



Red (81%)

Yellow (95%)

Blue (88%)

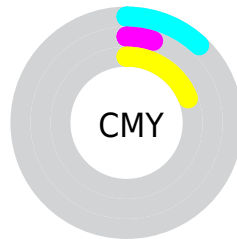


Cyan (7%)

Magenta (0%)

Yellow (15%)

Black (5%)



Cyan (12%)

Magenta (5%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.8078, 0.3228, 0.3674 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 83.8078, 0.3228, 0.3674 by changing the saturation by 10% instead.

83.8078, 0.3228,
0.3674

83.8078, 0.3228,
0.3674

507.6748, 0.3184,
0.3497

62.8568, 0.3237,
0.3714

138.7063, 0.3213,
0.3613

45.7253, 0.3248,
0.3764

173.4225, 0.3208,
0.3589

32.0291, 0.3262,
0.3826

213.4960, 0.3203,
0.3568

21.3838, 0.3278,
0.3908

259.3110, 0.3198,
0.3550

13.4048, 0.3299,
0.4018

311.2520, 0.3194,
0.3535

7.7079, 0.3325,
0.4176

369.7033, 0.3191,

3.9086, 0.3358,

0.3521

0.4419

435.0495, 0.3187,
0.3508

■ 1.6226, 0.3454,
0.4924

■ 0.3727, 0.1319,
0.8681

■ 83.8078, 0.3228,
0.3674

■ 83.8078, 0.3228,
0.3674

■ 80.8622, 0.3294,
0.3957

■ 87.0789, 0.3160,
0.3411

■ 78.2202, 0.3354,
0.4254

■ 90.6750, 0.3093,
0.3170

■ 75.8734, 0.3404,
0.4556

■ 91.9864, 0.3133,
0.3165

■ 73.8092, 0.3441,
0.4850

■ 72.0139, 0.3459,
0.5123

■ 70.4719, 0.3456,
0.5359

■ 69.1659, 0.3430,
0.5543

■ 68.0751, 0.3384,
0.5670

■ 67.5863, 0.3356,
0.5718

Harmonies

Analogous

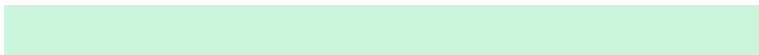
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8078, 0.3433, 0.3678



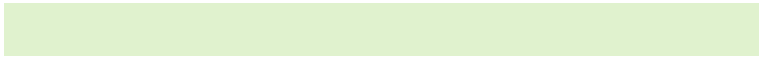
83.8078, 0.3228, 0.3674



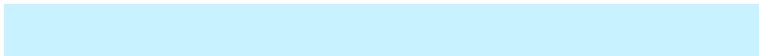
83.8078, 0.3002, 0.3556

Triad

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



83.8078, 0.3228, 0.3674



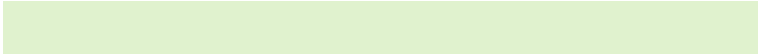
83.8078, 0.2713, 0.2990



83.8078, 0.3447, 0.3212

Complementary

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



83.8078, 0.3228, 0.3674



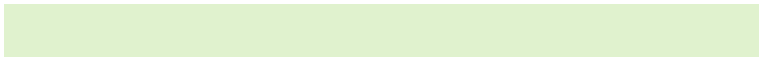
66.3803, 0.3013, 0.2906

Split Complementary

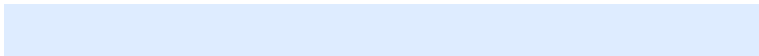
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8078, 0.3243, 0.3045



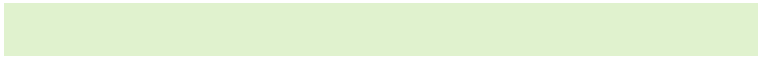
83.8078, 0.3228, 0.3674



83.8078, 0.2822, 0.2916

Square

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



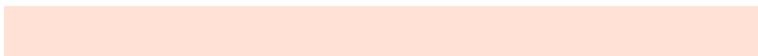
83.8078, 0.3228, 0.3674



83.8078, 0.2710, 0.3150



83.8078, 0.3014, 0.2938



83.8078, 0.3563, 0.3404

Rectangle

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



83.8078, 0.3228, 0.3674



83.8078, 0.2869, 0.3430



83.8078, 0.3014, 0.2938



83.8078, 0.3386, 0.3152

Sweetspot

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



83.8114, 0.3228, 0.3674



98.4075, 0.3154, 0.3389



76.3151, 0.3379, 0.3473



21.0006, 0.3159, 0.3408



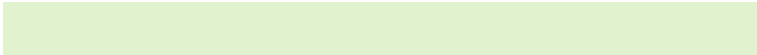
0.0000, 0.0000, 0.0000



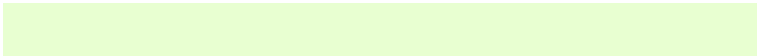
21.4041, 0.3127, 0.3290

Same Dimension

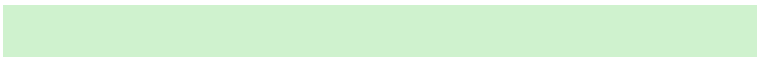
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8114, 0.3228, 0.3674



93.2990, 0.3249, 0.3762



81.1651, 0.3112, 0.3688



18.0453, 0.3191, 0.3529



36.3880, 0.3367, 0.5708



3.0863, 0.3467, 0.5629

Inverse Universe

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



66.3803, 0.3013, 0.2906



70.0277, 0.2985, 0.2819



69.3116, 0.3140, 0.2921



15.6163, 0.3058, 0.3051



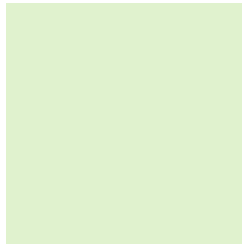
5.7010, 0.2022, 0.0888



0.5334, 0.2164, 0.0966

Previews

White Background



This preview shows how the Yxy color 83.8078, 0.3228, 0.3674 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 83.8078, 0.3228, 0.3674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

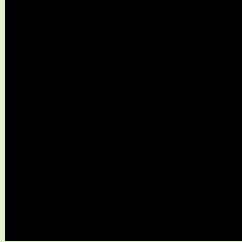
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

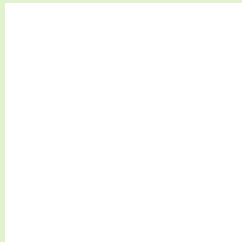
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8078, 0.3228, 0.3674

Background



This preview shows how black text looks on a background with the Yxy color 83.8078, 0.3228, 0.3674.

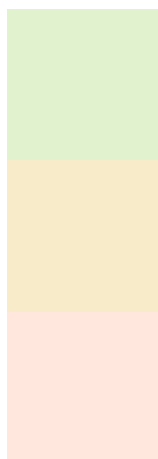


This preview shows how white text looks on a background with the Yxy color 83.8078, 0.3228, 0.3674.

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

83.8078, 0.3228, 0.3674

Protanopia

83.4551, 0.3423, 0.3628

Deuteranopia

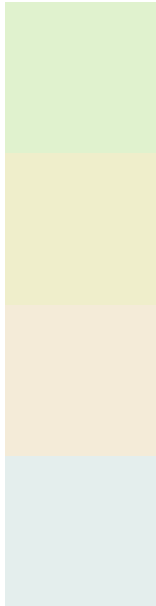
83.6323, 0.3359, 0.3390



Tritanopia

83.5613, 0.2986, 0.3098

Trichromacy



Original Color

83.8078, 0.3228, 0.3674

Protanomaly

83.8116, 0.3355, 0.3654

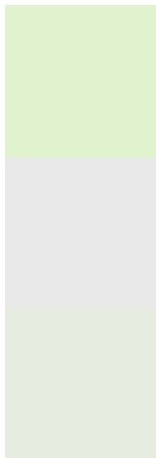
Deuteranomaly

83.6076, 0.3310, 0.3485

Tritanomaly

83.7575, 0.3068, 0.3300

Monochromacy



Original Color

83.8078, 0.3228, 0.3674

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.1416, 0.3168, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8078, 0.3228, 0.3674 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(224, 242, 206)` looks like.

```
.text, #text, p{  
    color:rgb(224, 242, 206)  
}
```

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(224, 242, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 242, 206) }
```

Border

The CSS property to change the border of an element to Yxy 83.8078, 0.3228, 0.3674 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(224, 242, 206) }
```

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

```
.border{ border-color:rgb(224, 242, 206) }
```

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

Here you see how a box with a 4 pixel rgb(224, 242, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 242, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 242, 206);  
box-shadow:4px 4px 4px 4px rgb(224, 242,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8078, 0.3228, 0.3674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 242, 206) }
```

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

```
.background{ background-color: rgb(224,  
242, 206) }
```

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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