

Converting Colors

$Yxy(83.3230, 0.3206, 0.3555)$

Have a look what the booklet for
Yxy(83.3230, 0.3206, 0.3555)
contains.

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Color

Yxy(83.0820, 0.3208, 0.3554)

Conversions

Conversions Part 1

Format	Color
Hex	E4EFD6
RGB	228, 239, 214
RGB Percent	89%, 94%, 84%
CMY	0.1059, 0.0627, 0.1608
CMYK	0.05, 0.00, 0.10, 0.06
HSL	86°, 44%, 89%
HSV	86°, 10%, 94%
XYZ	74.9935, 83.0820, 75.6949
YIQ	232.8610, 1.4690, -10.1070

Conversions

Conversions Part 2

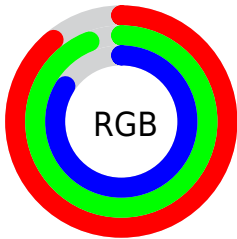
Format	Color
RYB	214, 239, 225
Decimal	15003606
CIELab	93.05, -8.02, 10.84
CIElCh	93, 13.488, 126.485
Yxy	83.0820, 0.3208, 0.3554
Android (android.graphics.Color)	4293193686 (0xFFE4EFD6)
YUV	232.8610, -9.2985, -4.2631
Hunter-Lab	91.1493, -12.6496, 14.5672

Details

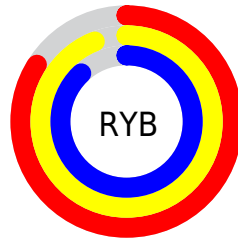
The Yxy color **83.0820, 0.3208, 0.3554** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **70.3320, 0.3040, 0.3025**, and the grayscale version is **81.4457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2544, 0.3232, 0.3618** is the 20% darker color. If you saturate the color by 10%, you get **80.2819, 0.3285, 0.3826**, and if you desaturate by 10%, it is **86.1735, 0.3131, 0.3301**.

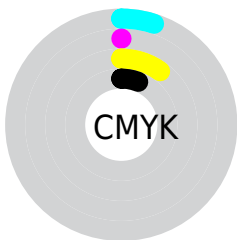
Distribution



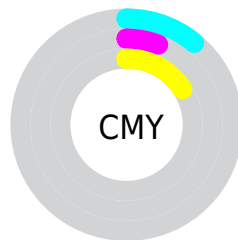
- Red (89%)
- Green (94%)
- Blue (84%)



- Red (84%)
- Yellow (94%)
- Blue (88%)



- Cyan (5%)
- Magenta (0%)
- Yellow (10%)
- Black (6%)



- Cyan (11%)
- Magenta (6%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0820, 0.3208, 0.3554 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 83.0820, 0.3208, 0.3554 by changing the saturation by 10% instead.

83.0820, 0.3208,
0.3554

83.0820, 0.3208,
0.3554

505.2598, 0.3172,
0.3433

62.2578, 0.3216,
0.3581

137.6903, 0.3196,
0.3512

45.2410, 0.3225,
0.3615

172.2432, 0.3191,
0.3496

31.6473, 0.3237,
0.3658

212.1411, 0.3187,
0.3482

21.0923, 0.3251,
0.3713

257.7684, 0.3183,
0.3470

13.1915, 0.3270,
0.3788

309.5096, 0.3180,
0.3459

7.5605, 0.3296,
0.3894

367.7489, 0.3177,

3.8150, 0.3332,

0.3449

0.4059

432.8708, 0.3175,
0.3441

■ 1.5706, 0.3391,
0.4351

■ 0.3377, 0.2705,
0.7295

■ 83.0820, 0.3208,
0.3554

■ 83.0820, 0.3208,
0.3554

■ 80.2819, 0.3285,
0.3826

■ 86.1735, 0.3131,
0.3301

■ 77.7527, 0.3358,
0.4113

■ 89.1094, 0.3096,
0.3135

■ 75.4878, 0.3423,
0.4407

■ 90.2199, 0.3134,
0.3136

■ 73.4763, 0.3476,
0.4697

■ 71.7061, 0.3512,
0.4971

■ 70.1642, 0.3527,
0.5214

■ 68.8356, 0.3519,
0.5413

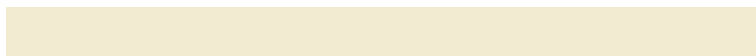
■ 67.7031, 0.3487,
0.5558

■ 66.7801, 0.3440,
0.5651

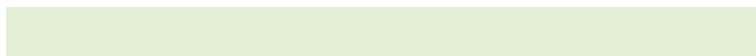
Harmonies

Analogous

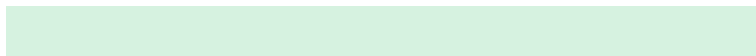
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0820, 0.3346, 0.3554



83.0820, 0.3208, 0.3554



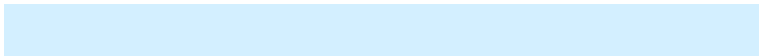
83.0820, 0.3051, 0.3478

Triad

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



83.0820, 0.3208, 0.3554



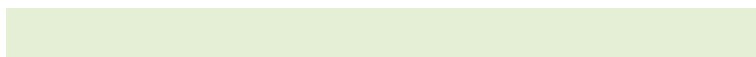
83.0820, 0.2837, 0.3090



83.0820, 0.3339, 0.3229

Complementary

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



83.0820, 0.3208, 0.3554



70.3320, 0.3040, 0.3025

Split Complementary

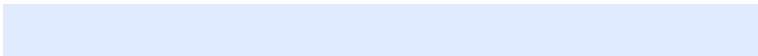
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0820, 0.3198, 0.3113



83.0820, 0.3208, 0.3554



83.0820, 0.2910, 0.3032

Square

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



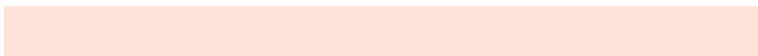
83.0820, 0.3208, 0.3554



83.0820, 0.2840, 0.3205



83.0820, 0.3041, 0.3041



83.0820, 0.3423, 0.3363

Rectangle

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



83.0820, 0.3208, 0.3554



83.0820, 0.2957, 0.3395



83.0820, 0.3041, 0.3041



83.0820, 0.3297, 0.3187

Sweetspot

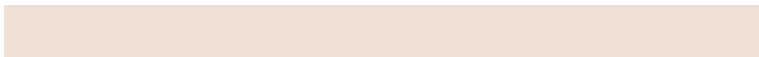
The Sweet Spot groups the original color and five complimentary colors.



83.0856, 0.3208, 0.3554



98.8831, 0.3150, 0.3364



76.9676, 0.3300, 0.3404



21.1023, 0.3157, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

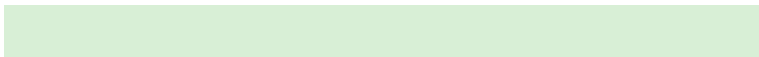
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0856, 0.3208, 0.3554



95.3791, 0.3228, 0.3622



81.1415, 0.3125, 0.3561



18.0923, 0.3200, 0.3528



36.9792, 0.3450, 0.5642



3.1352, 0.3544, 0.5568

Inverse Universe

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



70.3320, 0.3040, 0.3025



77.2950, 0.3016, 0.2955



72.3850, 0.3127, 0.3032



15.5696, 0.3049, 0.3051



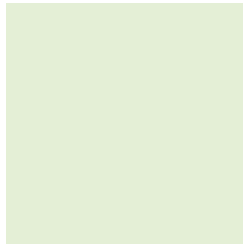
5.1901, 0.1914, 0.0828



0.4897, 0.2060, 0.0909

Previews

White Background



This preview shows how the Yxy color 83.0820, 0.3208, 0.3554 looks on a white background.

Color Contrast Check

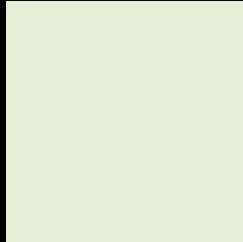
Large Text (above 18pt) WCAG AA × Fail

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 83.0820, 0.3208, 0.3554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

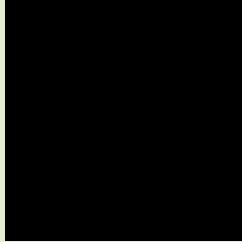
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

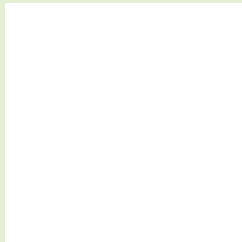
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0820, 0.3208, 0.3554

Background



This preview shows how black text looks on a background with the Yxy color 83.0820, 0.3208, 0.3554.

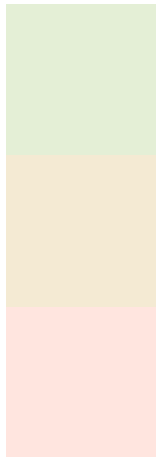


This preview shows how white text looks on a background with the Yxy color 83.0820, 0.3208, 0.3554.

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

83.0820, 0.3208, 0.3554

Protanopia

82.7819, 0.3344, 0.3527

Deuteranopia

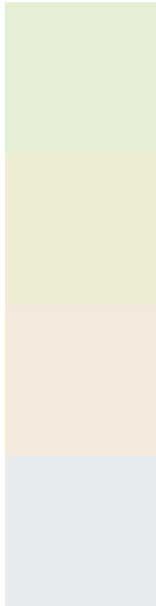
82.6263, 0.3349, 0.3350



Tritanopia

82.7985, 0.3017, 0.3098

Trichromacy



Original Color

83.0820, 0.3208, 0.3554

Protanomaly

82.9215, 0.3292, 0.3539

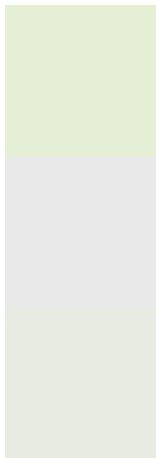
Deuteranomaly

82.8576, 0.3293, 0.3423

Tritanomaly

82.7455, 0.3089, 0.3259

Monochromacy



Original Color

83.0820, 0.3208, 0.3554

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.8966, 0.3156, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0820, 0.3208, 0.3554 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(228, 239, 214)` looks like.

```
.text, #text, p{  
    color:rgb(228, 239, 214)  
}
```

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(228, 239, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 239, 214) }
```

Border

The CSS property to change the border of an element to Yxy 83.0820, 0.3208, 0.3554 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(228, 239, 214) }
```

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

```
.border{ border-color:rgb(228, 239, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 239, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 239, 214); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 239, 214); box-shadow:4px 4px 4px 4px rgb(228, 239, 214) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0820, 0.3208, 0.3554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 239, 214) }
```

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

```
.background{ background-color: rgb(228,  
239, 214) }
```

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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