

Converting Colors

$Yxy(83.1394, 0.3185, 0.3478)$

Have a look what the booklet for
Yxy(83.1394, 0.3185, 0.3478)
contains.

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Color

Yxy(83.1394, 0.3185, 0.3478)

Conversions

Conversions Part 1

Format	Color
Hex	E6EEDC
RGB	230, 238, 220
RGB Percent	90%, 93%, 86%
CMY	0.0979, 0.0667, 0.1371
CMYK	0.03, 0.00, 0.08, 0.07
HSL	87°, 35%, 90%
HSV	87°, 8%, 93%
XYZ	76.1354, 83.1394, 79.7689
YIQ	233.5560, 1.0100, -7.2940

Conversions

Conversions Part 2

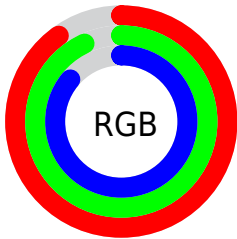
Format	Color
RYB	220, 238, 228
Decimal	15134428
CIELab	93.08, -5.79, 7.76
CIELCh	93, 9.688, 126.736
Yxy	83.1394, 0.3185, 0.3478
Android (android.graphics.Color)	4293324508 (0xFFE6EEDC)
YUV	233.5560, -6.6831, -3.1186
Hunter-Lab	91.1808, -10.5200, 11.9571

Details

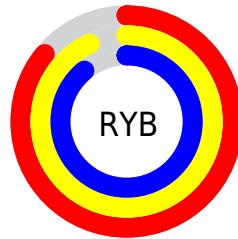
The Yxy color **83.1394, 0.3185, 0.3478** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.8733, 0.3066, 0.3101**, and the grayscale version is **81.9836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1712, 0.3194, 0.3521** is the 20% darker color. If you saturate the color by 10%, you get **80.2750, 0.3262, 0.3745**, and if you desaturate by 10%, it is **86.2964, 0.3109, 0.3231**.

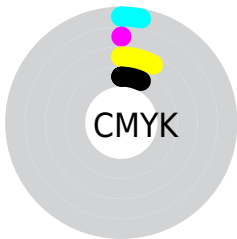
Distribution



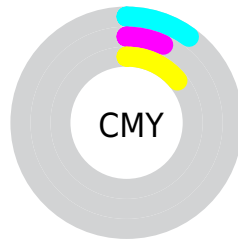
- Red (90%)
- Green (93%)
- Blue (86%)



- Red (86%)
- Yellow (93%)
- Blue (89%)



- Cyan (3%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)





- Cyan (10%)
- Magenta (7%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1394, 0.3185, 0.3478 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 83.1394, 0.3185, 0.3478 by changing the saturation by 10% instead.

 83.1394, 0.3185,
0.3478

 83.1394, 0.3185,
0.3478

505.4510, 0.3159,
0.3392

 62.3052, 0.3191,
0.3497


137.7707, 0.3176,
0.3448

 45.2793, 0.3197,
0.3521

172.3365, 0.3173,
0.3437

 31.6775, 0.3206,
0.3551


212.2483, 0.3170,
0.3427

 21.1153, 0.3217,
0.3590

257.8905, 0.3167,
0.3418

 13.2083, 0.3231,
0.3642

309.6475, 0.3165,
0.3411

 7.5721, 0.3251,
0.3717

367.9036, 0.3163,

 3.8224, 0.3279,

0.3404

0.3832

433.0433, 0.3161,
0.3398

■ 1.5747, 0.3323,
0.4029

■ 0.3405, 0.3485,
0.6515

■ 83.1394, 0.3185,
0.3478

■ 83.1394, 0.3185,
0.3478

■ 80.2750, 0.3262,
0.3745

■ 86.2964, 0.3109,
0.3231

■ 77.6830, 0.3335,
0.4028

■ 88.9034, 0.3110,
0.3125

■ 75.3570, 0.3403,
0.4321

■ 89.6265, 0.3135,
0.3127

■ 73.2864, 0.3460,
0.4614

■ 71.4595, 0.3501,
0.4895

■ 69.8637, 0.3522,
0.5149

■ 68.4849, 0.3520,
0.5363

■ 67.3066, 0.3494,
0.5525

■ 66.3078, 0.3448,
0.5632

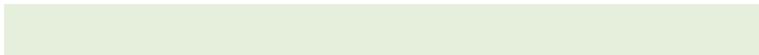
Harmonies

Analogous

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



83.1394, 0.3284, 0.3480



83.1394, 0.3185, 0.3478



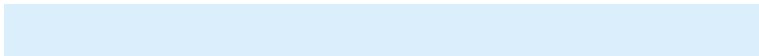
83.1394, 0.3072, 0.3423

Triad

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



83.1394, 0.3185, 0.3478



83.1394, 0.2918, 0.3146



83.1394, 0.3280, 0.3248

Complementary

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



83.1394, 0.3185, 0.3478



73.8733, 0.3066, 0.3101

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.



83.1394, 0.3180, 0.3162



83.1394, 0.3185, 0.3478



83.1394, 0.2971, 0.3104

Square

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



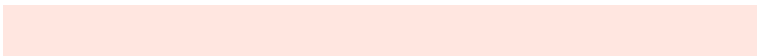
83.1394, 0.3185, 0.3478



83.1394, 0.2920, 0.3229



83.1394, 0.3067, 0.3110



83.1394, 0.3339, 0.3345

Rectangle

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



83.1394, 0.3185, 0.3478



83.1394, 0.3004, 0.3364



83.1394, 0.3067, 0.3110



83.1394, 0.3250, 0.3217

Sweetspot

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



83.1430, 0.3185, 0.3478



99.2491, 0.3142, 0.3339



78.7327, 0.3249, 0.3371



21.2513, 0.3142, 0.3336



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.



83.1430, 0.3185, 0.3478



96.7283, 0.3196, 0.3516



81.7246, 0.3126, 0.3481



18.0899, 0.3200, 0.3528



36.9470, 0.3446, 0.5646



3.1325, 0.3540, 0.5571

Inverse Universe

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



73.8733, 0.3066, 0.3101



83.8802, 0.3053, 0.3063



75.3481, 0.3127, 0.3105



15.5720, 0.3049, 0.3051



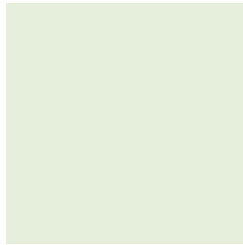
5.2144, 0.1919, 0.0831



0.4919, 0.2065, 0.0911

Previews

White Background



This preview shows how the Yxy color 83.1394, 0.3185, 0.3478 looks on a white background.

Color Contrast Check

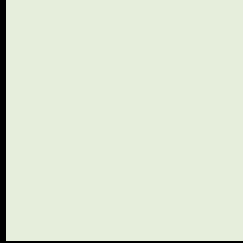
Large Text (above 18pt) WCAG AA × Fail

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 83.1394, 0.3185, 0.3478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

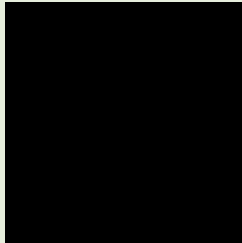
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

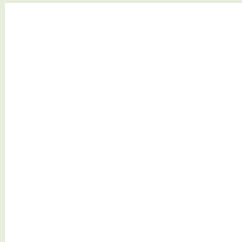
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1394, 0.3185, 0.3478

Background



This preview shows how black text looks on a background with the Yxy color 83.1394, 0.3185, 0.3478.

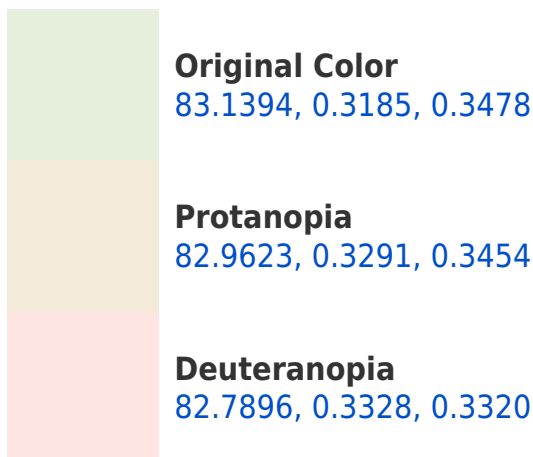


This preview shows how white text looks on a background with the Yxy color 83.1394, 0.3185, 0.3478.

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

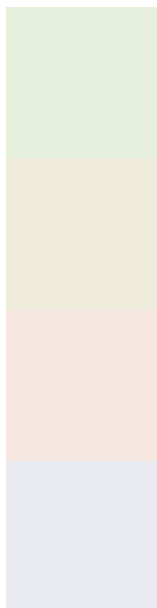




Tritanopia

82.9683, 0.3024, 0.3098

Trichromacy



Original Color

83.1394, 0.3185, 0.3478

Protanomaly

82.7083, 0.3249, 0.3456

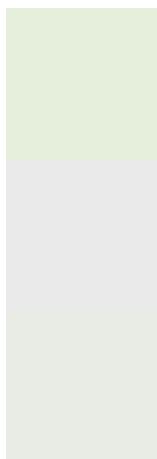
Deuteranomaly

82.6879, 0.3275, 0.3372

Tritanomaly

83.0316, 0.3083, 0.3239

Monochromacy



Original Color

83.1394, 0.3185, 0.3478

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.3974, 0.3151, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1394, 0.3185, 0.3478 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(230, 238, 220)` looks like.

```
.text, #text, p{  
    color:rgb(230, 238, 220)  
}
```

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(230, 238, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 238, 220) }
```

Border

The CSS property to change the border of an element to Yxy 83.1394, 0.3185, 0.3478 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(230, 238, 220) }
```

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

```
.border{ border-color:rgb(230, 238, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 238, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 238, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 238, 220);  
box-shadow:4px 4px 4px 4px rgb(230, 238,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1394, 0.3185, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 238, 220) }
```

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

```
.background{ background-color: rgb(230,  
238, 220) }
```

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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