

Converting Colors

$Yxy(83.0781, 0.3622, 0.4080)$

Have a look what the booklet for
Yxy(83.0781, 0.3622, 0.4080)
contains.

Yxy(83.0781, 0.3622, 0.4080)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.0781, 0.3622, 0.4080)

Conversions

Conversions Part 1

Format	Color
Hex	F1EFA3
RGB	241, 239, 163
RGB Percent	95%, 94%, 64%
CMY	0.0549, 0.0627, 0.3608
CMYK	0.00, 0.01, 0.32, 0.05
HSL	58°, 74%, 79%
HSV	58°, 32%, 95%
XYZ	73.7522, 83.0781, 46.7925
YIQ	230.9340, 25.5880, -23.2120

Conversions

Conversions Part 2

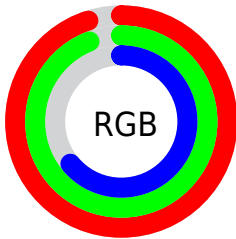
Format	Color
R_{YB}	165, 241, 163
Decimal	15855523
CIE Lab	93.05, -10.58, 37.09
CIE LCh	93, 38.566, 105.916
Yxy	83.0781, 0.3622, 0.4080
Android (android.graphics.Color)	4294045603 (0xFFFF1EFA3)
YUV	230.9340, -33.4915, 8.8279
Hunter-Lab	91.1472, -15.0735, 33.3651

Details

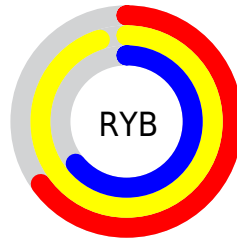
The Yxy color **83.0781, 0.3622, 0.4080** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.0404, 0.2550, 0.2355**, and the grayscale version is **80.1006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **45.1831, 0.3725, 0.4259** is the 20% darker color. If you saturate the color by 10%, you get **81.9386, 0.3770, 0.4313**, and if you desaturate by 10%, it is **84.3909, 0.3468, 0.3835**.

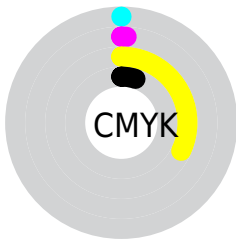
Distribution



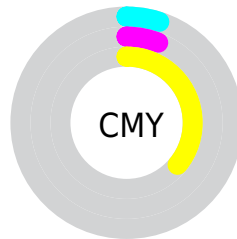
- Red (95%)
- Green (94%)
- Blue (64%)



- Red (65%)
- Yellow (95%)
- Blue (64%)



- Cyan (0%)
- Magenta (1%)
- Yellow (32%)
- Black (5%)





- Cyan (5%)
- Magenta (6%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.0781, 0.3622, 0.4080 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 83.0781, 0.3622, 0.4080 by changing the saturation by 10% instead.


 83.0781, 0.3622,
0.4080


 83.0781, 0.3622,
0.4080

505.2468, 0.3406,
0.3720

 62.2546, 0.3667,
0.4160

 137.6848, 0.3550,
0.3957

 45.2384, 0.3721,
0.4257


 172.2369, 0.3521,
0.3908

 31.6453, 0.3785,
0.4377


212.1338, 0.3496,
0.3866

 21.0907, 0.3862,
0.4529

257.7601, 0.3474,
0.3830

 13.1903, 0.3954,
0.4725

309.5002, 0.3454,
0.3797

 7.5597, 0.4059,
0.4981

367.7384, 0.3437,

 3.8145, 0.4273,

0.3768

0.5462

432.8591, 0.3421,
0.3743

■ 1.5704, 0.4218,
0.5782

■ 0.3375, 0.1565,
0.8435

■ 83.0781, 0.3622,
0.4080

■ 83.0781, 0.3622,
0.4080

■ 81.9386, 0.3770,
0.4313

■ 84.3909, 0.3468,
0.3835

■ 80.9519, 0.3905,
0.4525


■ 85.8744, 0.3313,
0.3588


■ 80.1113, 0.4022,
0.4705

■ 87.5405, 0.3162,
0.3346


■ 79.4052, 0.4115,
0.4846


■ 89.1106, 0.3043,
0.3156


 78.8204, 0.4182,
0.4944


 89.4769, 0.3043,
0.3163

 78.3407, 0.4222,
0.4998

 89.8443, 0.3043,
0.3169

 78.0265, 0.4239,
0.5016

 90.2131, 0.3043,
0.3175

 90.5830, 0.3043,
0.3181

 90.9542, 0.3043,
0.3187

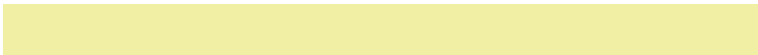
Harmonies

Analogous

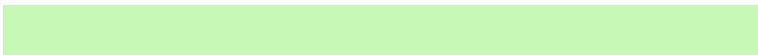
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0781, 0.3927, 0.3894



83.0781, 0.3622, 0.4080



83.0781, 0.3196, 0.4035

Triad

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



83.0781, 0.3622, 0.4080



83.0781, 0.2315, 0.2906



83.0781, 0.3460, 0.2893

Complementary

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



83.0781, 0.3622, 0.4080



41.0404, 0.2550, 0.2355

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.



83.0781, 0.3007, 0.2664



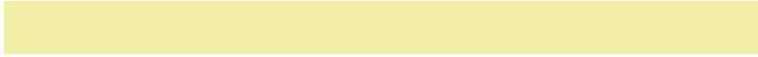
83.0781, 0.3622, 0.4080



83.0781, 0.2372, 0.2652

Square

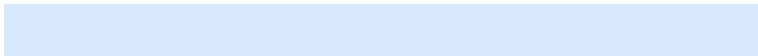
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0781, 0.3622, 0.4080



83.0781, 0.2455, 0.3305



83.0781, 0.2616, 0.2574



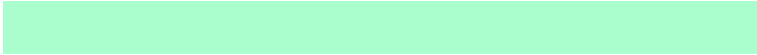
83.0781, 0.3840, 0.3217

Rectangle

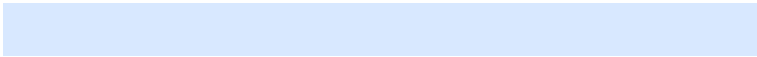
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.0781, 0.3622, 0.4080



83.0781, 0.2905, 0.3861



83.0781, 0.2616, 0.2574



83.0781, 0.3310, 0.2804

Sweetspot

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



83.0819, 0.3622, 0.4080



98.0500, 0.3277, 0.3531



47.6295, 0.3852, 0.3263



20.9317, 0.3299, 0.3566



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

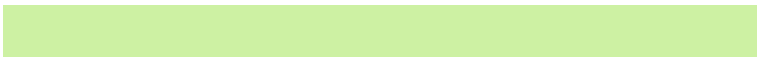
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0819, 0.3622, 0.4080



93.5540, 0.3723, 0.4239



78.4767, 0.3357, 0.4173



18.3856, 0.3269, 0.3517



42.3440, 0.4238, 0.5017



3.5444, 0.4232, 0.5022

Inverse Universe

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



41.0404, 0.2550, 0.2355



38.7282, 0.2408, 0.2123



44.7375, 0.2823, 0.2399



15.2934, 0.2979, 0.3052



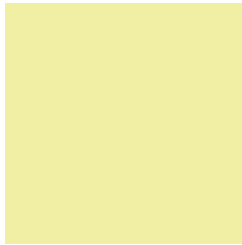
3.5458, 0.1505, 0.0616



0.3176, 0.1516, 0.0658

Previews

White Background



This preview shows how the Yxy color 83.0781, 0.3622, 0.4080 looks on a white background.

Color Contrast Check

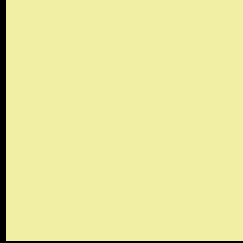
Large Text (above 18pt) WCAG AA × Fail

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 83.0781, 0.3622, 0.4080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

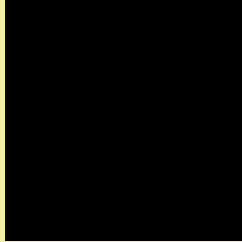
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

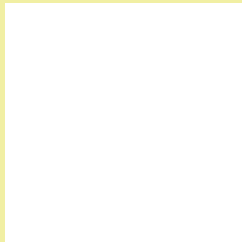
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0781, 0.3622, 0.4080

Background



This preview shows how black text looks on a background with the Yxy color 83.0781, 0.3622, 0.4080.

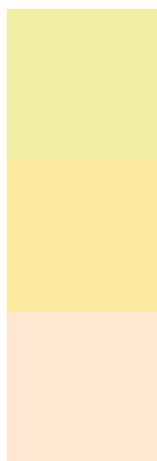


This preview shows how white text looks on a background with the Yxy color 83.0781, 0.3622, 0.4080.

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

83.0781, 0.3622, 0.4080

Protanopia

83.0607, 0.3743, 0.4037

Deuteranopia

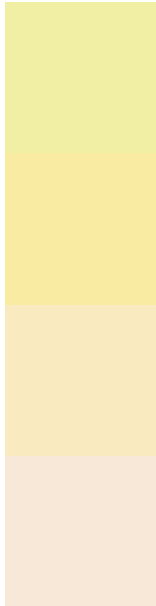
83.0153, 0.3440, 0.3512



Tritanopia

82.6499, 0.3170, 0.3113

Trichromacy



Original Color

83.0781, 0.3622, 0.4080

Protanomaly

82.7393, 0.3696, 0.4046

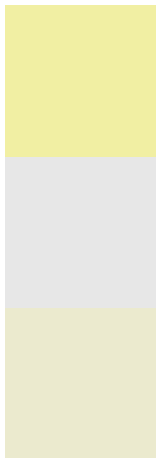
Deuteranomaly

82.9754, 0.3513, 0.3719

Tritanomaly

82.4453, 0.3335, 0.3453

Monochromacy



Original Color

83.0781, 0.3622, 0.4080

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.9640, 0.3313, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0781, 0.3622, 0.4080 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(241, 239, 163)` looks like.

```
.text, #text, p{  
    color:rgb(241, 239, 163)  
}
```

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(241, 239, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 239, 163) }
```

Border

The CSS property to change the border of an element to Yxy 83.0781, 0.3622, 0.4080 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(241, 239, 163) }
```

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

```
.border{ border-color:rgb(241, 239, 163) }
```

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

Here you see how a box with a 4 pixel rgb(241, 239, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 239, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 239, 163);  
box-shadow:4px 4px 4px 4px rgb(241, 239,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0781, 0.3622, 0.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 239, 163) }
```

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

```
.background{ background-color: rgb(241,  
239, 163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor