

Converting Colors

$Yxy(81.0294, 0.3618, 0.4008)$

Have a look what the booklet for
Yxy(81.0294, 0.3618, 0.4008)
contains.

Yxy(81.0471, 0.3622, 0.4010)	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(81.0471, 0.3622, 0.4010)

Conversions

Conversions Part 1

Format	Color
Hex	F2EBA6
RGB	242, 235, 166
RGB Percent	95%, 92%, 65%
CMY	0.0510, 0.0784, 0.3490
CMYK	0.00, 0.03, 0.31, 0.05
HSL	54°, 74%, 80%
HSV	54°, 31%, 95%
XYZ	73.2051, 81.0471, 47.8602
YIQ	229.2270, 26.3210, -19.9750

Conversions

Conversions Part 2

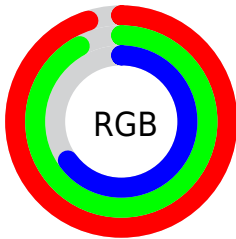
Format	Color
RYB	174, 242, 166
Decimal	15920038
CIELab	92.15, -7.85, 34.40
CIElCh	92, 35.288, 102.858
Yxy	81.0471, 0.3622, 0.4010
Android (android.graphics.Color)	4294110118 (0xFFFF2EBA6)
YUV	229.2270, -31.1709, 11.2019
Hunter-Lab	90.0262, -12.3978, 31.4982

Details

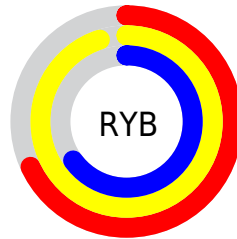
The Yxy color **81.0471, 0.3622, 0.4010** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **44.3936, 0.2577, 0.2450**, and the grayscale version is **78.7505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **43.7467, 0.3730, 0.4172** is the 20% darker color. If you saturate the color by 10%, you get **78.9807, 0.3782, 0.4233**, and if you desaturate by 10%, it is **83.3038, 0.3460, 0.3778**.

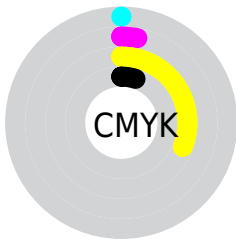
Distribution



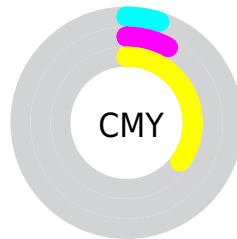
- Red (95%)
- Green (92%)
- Blue (65%)



- Red (68%)
- Yellow (95%)
- Blue (65%)



- Cyan (0%)
- Magenta (3%)
- Yellow (31%)
- Black (5%)




- Cyan (5%)
- Magenta (8%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0471, 0.3622, 0.4010 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 81.0471, 0.3622, 0.4010 by changing the saturation by 10% instead.

 81.0471, 0.3622,
0.4010


 81.0471, 0.3622,
0.4010


498.4547, 0.3403,
0.3681

 60.5804, 0.3669,
0.4083


 134.8369, 0.3549,
0.3897

 43.8866, 0.3725,
0.4172


 168.9288, 0.3519,
0.3853

 30.5814, 0.3792,
0.4282


208.3312, 0.3494,
0.3815

 20.2803, 0.3875,
0.4422

253.4285, 0.3471,
0.3781

 12.5990, 0.3977,
0.4603

304.6051, 0.3451,
0.3752

 7.1530, 0.4099,
0.4842

362.2454, 0.3434,

 3.5580, 0.4330,

0.3726

426.7338, 0.3418,
0.3702

0.5276

■ 1.4295, 0.4375,
0.5625

■ 0.2383, 0.1274,
0.8726

■ 81.0471, 0.3622,
0.4010

■ 81.0471, 0.3622,
0.4010

■ 78.9807, 0.3782,
0.4233

■ 83.3038, 0.3460,
0.3778

■ 77.0842, 0.3933,
0.4438


■ 85.7485, 0.3301,
0.3547

■ 75.3508, 0.4069,
0.4615

■ 88.3929, 0.3148,
0.3321

■ 73.7689, 0.4184,
0.4754

■ 90.7327, 0.3049,
0.3181

 72.3252, 0.4273,
0.4850


 92.0765, 0.3049,
0.3203


 71.0037, 0.4333,
0.4901

 93.4366, 0.3049,
0.3225

 69.9434, 0.4367,
0.4915

 94.8128, 0.3048,
0.3246

 96.2053, 0.3048,
0.3268

 97.6142, 0.3047,
0.3290

Harmonies

Analogous

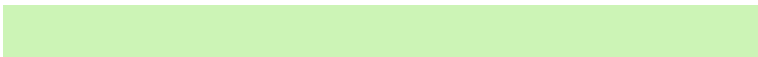
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0471, 0.3885, 0.3826



81.0471, 0.3622, 0.4010



81.0471, 0.3236, 0.3989

Triad

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



81.0471, 0.3622, 0.4010



81.0471, 0.2379, 0.2970



81.0471, 0.3394, 0.2896

Complementary

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



81.0471, 0.3622, 0.4010



44.3936, 0.2577, 0.2450

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.



81.0471, 0.2976, 0.2693



81.0471, 0.3622, 0.4010



81.0471, 0.2413, 0.2717

Square

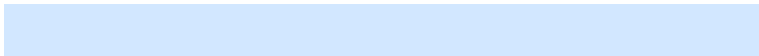
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.0471, 0.3622, 0.4010



81.0471, 0.2528, 0.3347



81.0471, 0.2624, 0.2625



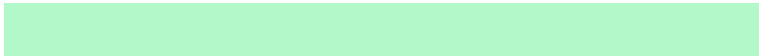
81.0471, 0.3755, 0.3191

Rectangle

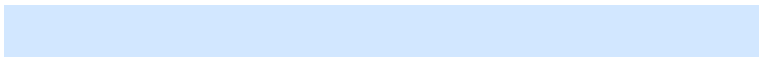
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.0471, 0.3622, 0.4010



81.0471, 0.2964, 0.3844



81.0471, 0.2624, 0.2625



81.0471, 0.3254, 0.2816

Sweetspot

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



81.0508, 0.3622, 0.4010



97.2725, 0.3264, 0.3492



49.1871, 0.3773, 0.3208



20.7297, 0.3286, 0.3526



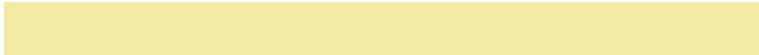
0.0000, 0.0000, 0.0000



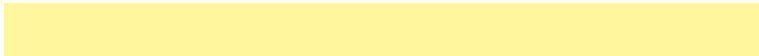
21.4041, 0.3127, 0.3290

Same Dimension

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



81.0508, 0.3622, 0.4010



89.7085, 0.3730, 0.4161



80.1848, 0.3386, 0.4134



18.1964, 0.3270, 0.3502



37.6867, 0.4364, 0.4917



3.2070, 0.4339, 0.4937

Inverse Universe

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



44.3936, 0.2577, 0.2450



42.1343, 0.2440, 0.2236



45.4706, 0.2794, 0.2419



15.4619, 0.2980, 0.3068



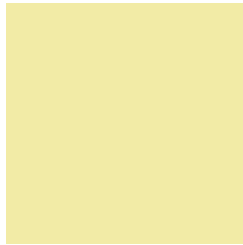
3.8402, 0.1517, 0.0662



0.3983, 0.1556, 0.0803

Previews

White Background



This preview shows how the Yxy color 81.0471, 0.3622, 0.4010 looks on a white background.

Color Contrast Check

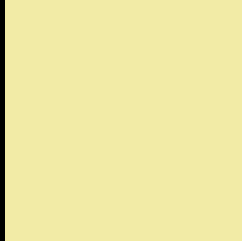
Large Text (above 18pt) WCAG AA × Fail

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 81.0471, 0.3622, 0.4010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

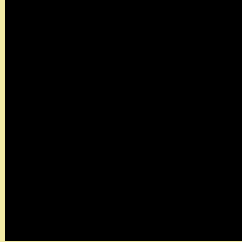
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

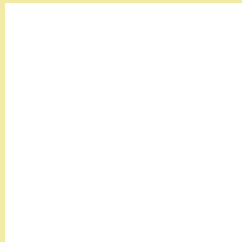
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.0471, 0.3622, 0.4010

Background



This preview shows how black text looks on a background with the Yxy color 81.0471, 0.3622, 0.4010.

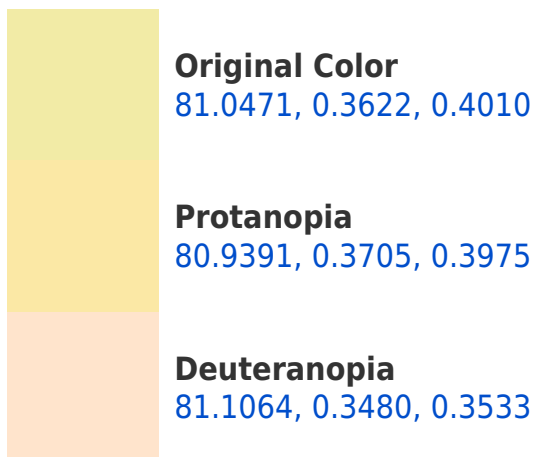


This preview shows how white text looks on a background with the Yxy color 81.0471, 0.3622, 0.4010.

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

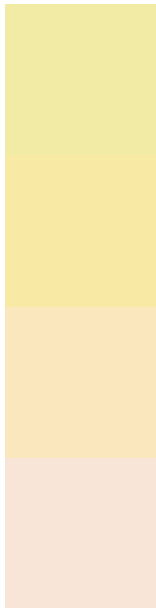




Tritanopia

80.8307, 0.3191, 0.3112

Trichromacy



Original Color

81.0471, 0.3622, 0.4010

Protanomaly

80.9509, 0.3679, 0.3990

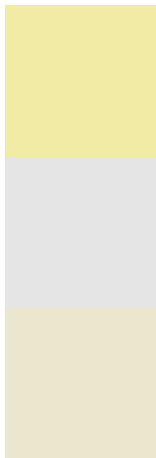
Deuteranomaly

81.1935, 0.3533, 0.3711

Tritanomaly

80.9014, 0.3352, 0.3433

Monochromacy



Original Color

81.0471, 0.3622, 0.4010

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.1005, 0.3310, 0.3555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0471, 0.3622, 0.4010 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(242, 235, 166)` looks like.

```
.text, #text, p{  
    color:rgb(242, 235, 166)  
}
```

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(242, 235, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 235, 166) }
```

Border

The CSS property to change the border of an element to Yxy 81.0471, 0.3622, 0.4010 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(242, 235, 166) }
```

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

```
.border{ border-color:rgb(242, 235, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 235, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 235, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 235, 166);  
box-shadow:4px 4px 4px 4px rgb(242, 235,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0471, 0.3622, 0.4010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 235, 166) }
```

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

```
.background{ background-color: rgb(242,  
235, 166) }
```

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