

Converting Colors

$Y_{xy}(79.8367, 0.3608, 0.3949)$

Have a look what the booklet for
Yxy(79.8367, 0.3608, 0.3949)
contains.

Yxy(80.0574, 0.3602, 0.3949)	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(80.0574, 0.3602, 0.3949)

Conversions

Conversions Part 1	
Format	Color
Hex	F2E9AA
RGB	242, 233, 170
RGB Percent	95%, 91%, 67%
CMY	0.0509, 0.0863, 0.3332
CMYK	0.00, 0.04, 0.30, 0.05
HSL	52°, 74%, 81%
HSV	52°, 30%, 95%
XYZ	73.0227, 80.0574, 49.6482
YIQ	228.5090, 25.5870, -17.6850

Conversions

Conversions Part 2

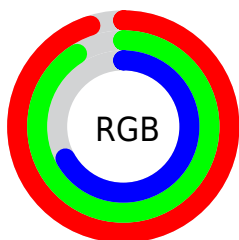
Format	Color
RYB	180, 242, 170
Decimal	15919530
CIELab	91.71, -6.33, 31.77
CIELCh	92, 32.395, 101.266
Yxy	80.0574, 0.3602, 0.3949
Android (android.graphics.Color)	4294109610 (0xFFFF2E9AA)
YUV	228.5090, -28.8449, 11.8316
Hunter-Lab	89.4748, -10.9024, 29.7333

Details

The Yxy color **80.0574, 0.3602, 0.3949** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **47.2294, 0.2613, 0.2532**, and the grayscale version is **78.1834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **43.0429, 0.3706, 0.4097** is the 20% darker color. If you saturate the color by 10%, you get **77.5224, 0.3768, 0.4168**, and if you desaturate by 10%, it is **82.7979, 0.3436, 0.3724**.

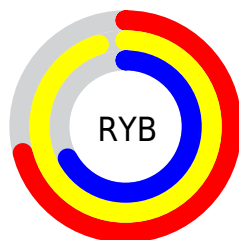
Distribution



Red (95%)

Green (91%)

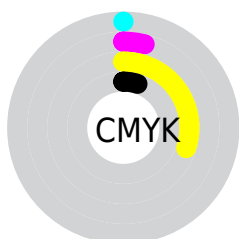
Blue (67%)



Red (71%)

Yellow (95%)

Blue (67%)

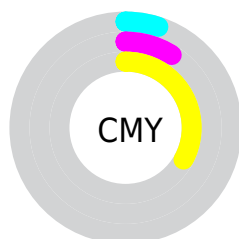


Cyan (0%)

Magenta (4%)

Yellow (30%)

Black (5%)



Cyan (5%)


Magenta (9%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0574, 0.3602, 0.3949 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 80.0574, 0.3602, 0.3949 by changing the saturation by 10% instead.

 80.0574, 0.3602,
0.3949

 80.0574, 0.3602,
0.3949

495.1263, 0.3391,
0.3648

 59.7656, 0.3648,
0.4016


 133.4464, 0.3531,
0.3846

 43.2297, 0.3703,
0.4098


167.3124, 0.3502,
0.3805

 30.0654, 0.3770,
0.4200

206.4720, 0.3478,
0.3770

 19.8882, 0.3853,
0.4329

251.3094, 0.3456,
0.3739

 12.3138, 0.3957,
0.4498

302.2092, 0.3437,
0.3712

 6.9578, 0.4088,
0.4723


359.5556, 0.3420,


 3.4357, 0.4307,


0.3688

0.5105


423.7332, 0.3404,
0.3667


 1.3632, 0.4467,
0.5533


 0.1894, 0.1187,
0.8813

 80.0574, 0.3602,
0.3949

 80.0574, 0.3602,
0.3949

 77.5224, 0.3768,
0.4168


 82.7979, 0.3436,
0.3724

 75.1725, 0.3929,
0.4371


 85.7418, 0.3276,
0.3501

 73.0012, 0.4077,
0.4549


 88.9007, 0.3123,
0.3285


 70.9970, 0.4206,
0.4691


 91.4959, 0.3049,
0.3193


 69.1467, 0.4310,
0.4791


 93.3506, 0.3049,
0.3223

 67.4349, 0.4386,
0.4845

 95.2356, 0.3048,
0.3253

 65.8362, 0.4436,
0.4859

 97.1511, 0.3048,
0.3283

 65.7968, 0.4437,
0.4859

 97.6228, 0.3048,
0.3290

Harmonies

Analogous

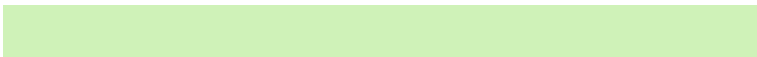
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0574, 0.3834, 0.3775



80.0574, 0.3602, 0.3949



80.0574, 0.3250, 0.3938

Triad

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



80.0574, 0.3602, 0.3949



80.0574, 0.2437, 0.3014



80.0574, 0.3354, 0.2912

Complementary

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



80.0574, 0.3602, 0.3949



47.2294, 0.2613, 0.2532

Split Complementary

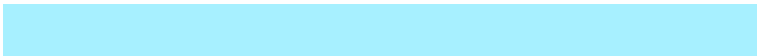
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0574, 0.2969, 0.2730



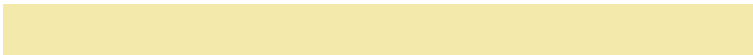
80.0574, 0.3602, 0.3949



80.0574, 0.2459, 0.2770

Square

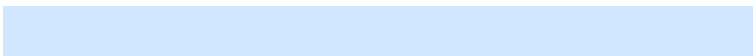
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0574, 0.3602, 0.3949



80.0574, 0.2585, 0.3364



80.0574, 0.2648, 0.2675



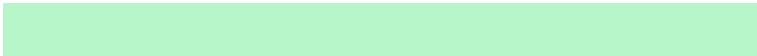
80.0574, 0.3691, 0.3184

Rectangle

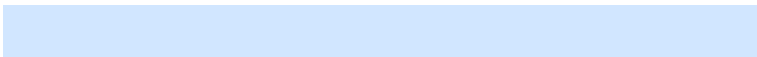
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.0574, 0.3602, 0.3949



80.0574, 0.2998, 0.3811



80.0574, 0.2648, 0.2675



80.0574, 0.3225, 0.2839

Sweetspot

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



80.0610, 0.3602, 0.3949



96.7849, 0.3264, 0.3485



50.9240, 0.3705, 0.3186



20.6087, 0.3287, 0.3517



0.0000, 0.0000, 0.0000



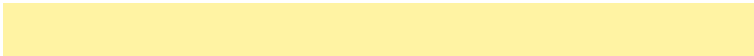
21.4041, 0.3127, 0.3290

Same Dimension

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



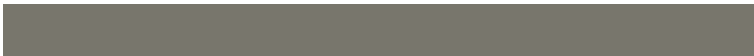
80.0610, 0.3602, 0.3949



88.2991, 0.3708, 0.4089



80.9693, 0.3390, 0.4083



18.1006, 0.3271, 0.3495



35.4758, 0.4433, 0.4863



3.0452, 0.4397, 0.4891

Inverse Universe

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



47.2294, 0.2613, 0.2532



45.5795, 0.2487, 0.2339



46.9672, 0.2797, 0.2465



15.5483, 0.2980, 0.3077



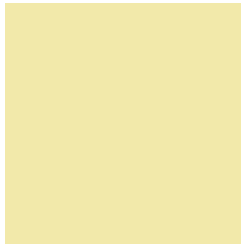
4.0585, 0.1526, 0.0695



0.4394, 0.1576, 0.0874

Previews

White Background



This preview shows how the Yxy color 80.0574, 0.3602, 0.3949 looks on a white background.

Color Contrast Check

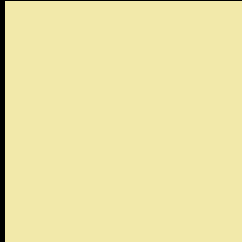
Large Text (above 18pt) WCAG AA × Fail

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 80.0574, 0.3602, 0.3949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

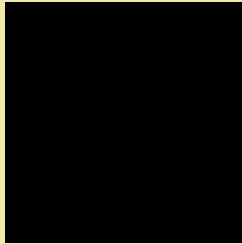
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.0574, 0.3602, 0.3949

Background



This preview shows how black text looks on a background with the Yxy color 80.0574, 0.3602, 0.3949.



This preview shows how white text looks on a background with the Yxy color 80.0574, 0.3602, 0.3949.

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

80.0574, 0.3602, 0.3949

Protanopia

79.9729, 0.3659, 0.3930

Deuteranopia

79.9170, 0.3498, 0.3534



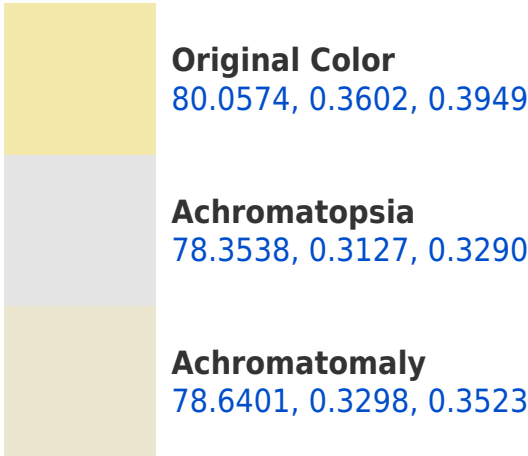
Tritanopia

80.1714, 0.3205, 0.3121

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0574, 0.3602, 0.3949 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, 233, 170)` looks like.

```
.text, #text, p{  
    color:rgb(242, 233, 170)  
}
```

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, 233, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 233, 170) }
```

Border

The CSS property to change the border of an element to Yxy 80.0574, 0.3602, 0.3949 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, 233, 170) }
```

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

```
.border{ border-color:rgb(242, 233, 170) }
```

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

Here you see how a box with a 4 pixel rgb(242, 233, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 233, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 233, 170);  
box-shadow:4px 4px 4px 4px rgb(242, 233,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0574, 0.3602, 0.3949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 233, 170) }
```

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

```
.background{ background-color: rgb(242,  
233, 170) }
```

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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