

Converting Colors

Yxy(80.5243, 0.3687, 0.4219)

Have a look what the booklet for
Yxy(80.5243, 0.3687, 0.4219)
contains.

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Color

Yxy(80.7110, 0.3691, 0.4223)

Conversions

Conversions Part 1

Format	Color
Hex	EDED94
RGB	237, 237, 148
RGB Percent	93%, 93%, 58%
CMY	0.0707, 0.0705, 0.4197
CMYK	0.00, 0.00, 0.38, 0.07
HSL	60°, 71%, 75%
HSV	60°, 38%, 93%
XYZ	70.5433, 80.7110, 39.8681
YIQ	226.8540, 28.5690, -27.6790

Conversions

Conversions Part 2

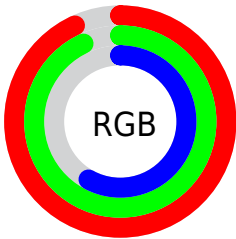
Format	Color
RYB	148, 237, 148
Decimal	15592852
CIELab	92.00, -12.83, 43.13
CIELCh	92, 44.998, 106.568
Yxy	80.7110, 0.3691, 0.4223
Android (android.graphics.Color)	4293782932 (0xFFEDED94)
YUV	226.8540, -38.8750, 8.8980
Hunter-Lab	89.8393, -17.0577, 36.5763

Details

The Yxy color **80.7110, 0.3691, 0.4223** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **33.5884, 0.2437, 0.2149**, and the grayscale version is **76.9737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0918, 0.3436, 0.3800**, and **43.5956, 0.3800, 0.4423** is the 20% darker color. If you saturate the color by 10%, you get **80.0368, 0.3828, 0.4450**, and if you desaturate by 10%, it is **81.5462, 0.3543, 0.3979**.

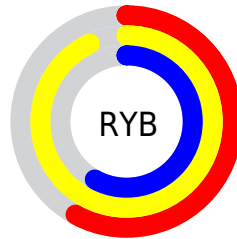
Distribution



Red (93%)

Green (93%)

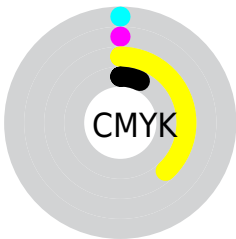
Blue (58%)



Red (58%)

Yellow (93%)

Blue (58%)

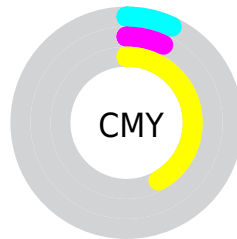


Cyan (0%)

Magenta (0%)

Yellow (38%)

Black (7%)



Cyan (7%)


Magenta (7%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7110, 0.3691, 0.4223 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 80.7110, 0.3691, 0.4223 by changing the saturation by 10% instead.

 80.7110, 0.3691,
0.4223


 80.7110, 0.3691,
0.4223


497.3257, 0.3448,
0.3796

 60.3036, 0.3741,
0.4317


 134.3649, 0.3611,
0.4077

 43.6634, 0.3799,
0.4432


 168.3802, 0.3579,
0.4020

 30.4060, 0.3867,
0.4572

207.7003, 0.3550,
0.3970

 20.1469, 0.3946,
0.4748

252.7095, 0.3525,
0.3926

 12.5019, 0.4034,
0.4971

303.7922, 0.3502,
0.3888

 7.0865, 0.4121,
0.5254

361.3329, 0.3482,

 3.5162, 0.4267,

0.3854

0.5733

425.7160, 0.3464,
0.3823

■ 1.4068, 0.4042,
0.5958

■ 0.2217, 0.0000,
1.0000

■ 80.7110, 0.3691,
0.4223

■ 80.7110, 0.3691,
0.4223

■ 80.0368, 0.3828,
0.4450

■ 81.5462, 0.3543,
0.3979

■ 79.5031, 0.3948,
0.4649


■ 82.5401, 0.3391,
0.3727


■ 79.1032, 0.4047,
0.4812


■ 83.7042, 0.3239,
0.3476


■ 78.8251, 0.4120,
0.4933

■ 85.0462, 0.3092,
0.3232


 78.6548, 0.4166,
0.5010


 85.8106, 0.3019,
0.3111


 78.5737, 0.4188,
0.5047

 85.8133, 0.3019,
0.3111

 78.5604, 0.4192,
0.5053

 85.8160, 0.3019,
0.3111

 85.8187, 0.3019,
0.3111

 85.8214, 0.3019,
0.3111

Harmonies

Analogous

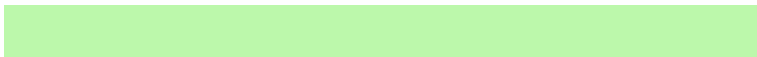
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7110, 0.4058, 0.3995



80.7110, 0.3691, 0.4223



80.7110, 0.3190, 0.4175

Triad

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



80.7110, 0.3691, 0.4223



80.7110, 0.2183, 0.2823



80.7110, 0.3528, 0.2835

Complementary

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



80.7110, 0.3691, 0.4223



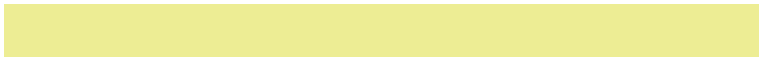
33.5884, 0.2437, 0.2149

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.



80.7110, 0.2994, 0.2570



80.7110, 0.3691, 0.4223



80.7110, 0.2254, 0.2539

Square

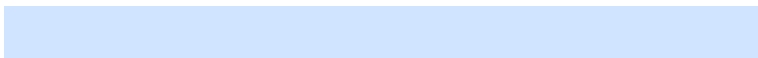
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7110, 0.3691, 0.4223



80.7110, 0.2336, 0.3290



80.7110, 0.2537, 0.2460



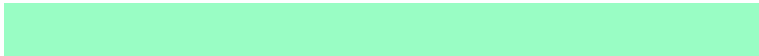
80.7110, 0.3976, 0.3206

Rectangle

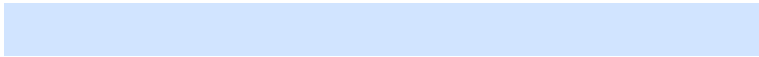
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7110, 0.3691, 0.4223



80.7110, 0.2851, 0.3963



80.7110, 0.2537, 0.2460



80.7110, 0.3351, 0.2732

Sweetspot

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



80.7147, 0.3691, 0.4223



98.3198, 0.3292, 0.3562



41.3187, 0.4053, 0.3293



21.0039, 0.3312, 0.3597



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.



80.7147, 0.3691, 0.4223



94.6665, 0.3796, 0.4398



73.9887, 0.3367, 0.4333



17.6265, 0.3268, 0.3523



42.8835, 0.4192, 0.5053



3.3675, 0.4192, 0.5053

Inverse Universe

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



33.5884, 0.2437, 0.2149



31.6531, 0.2273, 0.1876



38.5607, 0.2786, 0.2250



14.5494, 0.2980, 0.3046



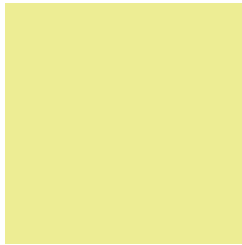
3.3390, 0.1500, 0.0600



0.2624, 0.1501, 0.0600

Previews

White Background



This preview shows how the Yxy color 80.7110, 0.3691, 0.4223 looks on a white background.

Color Contrast Check

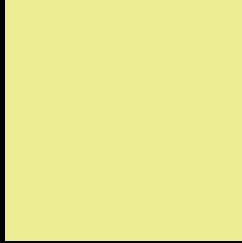
Large Text (above 18pt) WCAG AA × Fail

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 80.7110, 0.3691, 0.4223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

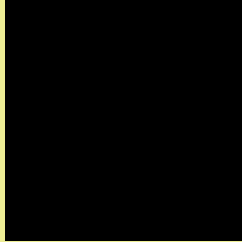
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.7110, 0.3691, 0.4223

Background



This preview shows how black text looks on a background with the Yxy color 80.7110, 0.3691, 0.4223.

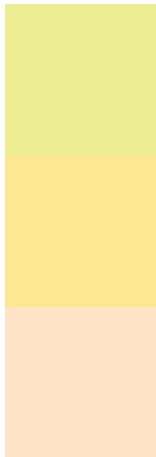


This preview shows how white text looks on a background with the Yxy color 80.7110, 0.3691, 0.4223.

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

80.7110, 0.3691, 0.4223

Protanopia

80.6712, 0.3842, 0.4157

Deuteranopia

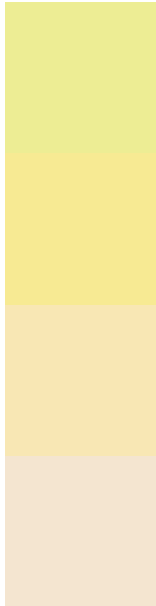
80.3217, 0.3516, 0.3574



Tritanopia

80.2780, 0.3170, 0.3111

Trichromacy



Original Color

80.7110, 0.3691, 0.4223

Protanomaly

80.7264, 0.3783, 0.4180

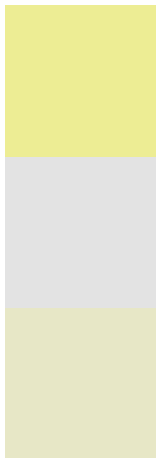
Deuteranomaly

80.4036, 0.3585, 0.3817

Tritanomaly

79.8258, 0.3371, 0.3508

Monochromacy



Original Color

80.7110, 0.3691, 0.4223

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

78.2180, 0.3341, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7110, 0.3691, 0.4223 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(237, 237, 148)` looks like.

```
.text, #text, p{  
    color:rgb(237, 237, 148)  
}
```

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(237, 237, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 237, 148) }
```

Border

The CSS property to change the border of an element to Yxy 80.7110, 0.3691, 0.4223 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(237, 237, 148) }
```

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

```
.border{ border-color:rgb(237, 237, 148) }
```

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

Here you see how a box with a 4 pixel rgb(237, 237, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 237, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 237, 148);  
box-shadow:4px 4px 4px 4px rgb(237, 237,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7110, 0.3691, 0.4223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 237, 148) }
```

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

```
.background{ background-color: rgb(237,  
237, 148) }
```

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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