

Converting Colors

$Y_{xy}(81.1767, 0.3440, 0.3730)$

Have a look what the booklet for
Yxy(81.1767, 0.3440, 0.3730)
contains.

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Color

Yxy(81.1767, 0.3440, 0.3730)

Conversions

Conversions Part 1

Format	Color
Hex	F0EAC0
RGB	240, 234, 192
RGB Percent	94%, 92%, 75%
CMY	0.0589, 0.0823, 0.2471
CMYK	0.00, 0.02, 0.20, 0.06
HSL	53°, 61%, 85%
HSV	53°, 20%, 94%
XYZ	74.8654, 81.1767, 61.5898
YIQ	231.0060, 17.0580, -11.7900

Conversions

Conversions Part 2

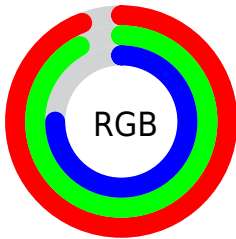
Format	Color
R _Y B	199, 240, 192
Decimal	15788736
CIE Lab	92.21, -4.66, 21.17
CIE LCh	92, 21.673, 102.423
Yxy	81.1767, 0.3440, 0.3730
Android (android.graphics.Color)	4293978816 (0xFFFF0EAC0)
YUV	231.0060, -19.2300, 7.8877
Hunter-Lab	90.0981, -9.3504, 22.5389

Details

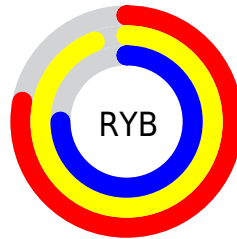
The Yxy color **81.1767, 0.3440, 0.3730** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.8647, 0.2798, 0.2808**, and the grayscale version is **80.0517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6196, 0.3162, 0.3347**, and **43.8661, 0.3517, 0.3830** is the 20% darker color. If you saturate the color by 10%, you get **78.5186, 0.3606, 0.3955**, and if you desaturate by 10%, it is **84.0441, 0.3279, 0.3506**.

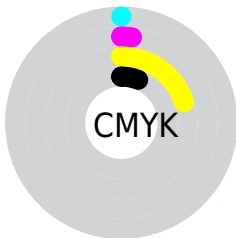
Distribution



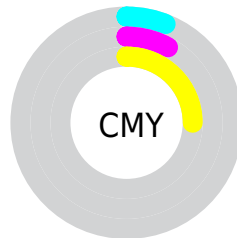
- Red (94%)
- Green (92%)
- Blue (75%)



- Red (78%)
- Yellow (94%)
- Blue (75%)



- Cyan (0%)
- Magenta (2%)
- Yellow (20%)
- Black (6%)





- Cyan (6%)
- Magenta (8%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1767, 0.3440, 0.3730 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 81.1767, 0.3440, 0.3730 by changing the saturation by 10% instead.

 81.1767, 0.3440,
0.3730

 81.1767, 0.3440,
0.3730


498.8896, 0.3299,
0.3529

 60.6871, 0.3471,
0.3775


 135.0189, 0.3392,
0.3661

 43.9727, 0.3509,
0.3831


169.1402, 0.3373,
0.3634

 30.6491, 0.3555,
0.3900


208.5743, 0.3357,
0.3610

 20.3318, 0.3615,
0.3990

253.7056, 0.3343,
0.3590

 12.6364, 0.3692,
0.4109

304.9183, 0.3330,
0.3572

 7.1787, 0.3796,
0.4276


362.5970, 0.3319,

 3.5741, 0.3941,


0.3556


0.4520


427.1259, 0.3309,
0.3542

 1.4383, 0.4581,
0.5419


 0.2447, 0.3268,
0.6732


 81.1767, 0.3440,
0.3730

 81.1767, 0.3440,
0.3730


 78.5186, 0.3606,
0.3955

 84.0441, 0.3279,
0.3506


 76.0503, 0.3771,
0.4174

 87.1178, 0.3127,
0.3290

 73.7663, 0.3931,
0.4377

 89.8162, 0.3037,
0.3171

 71.6564, 0.4079,
0.4554

 91.6145, 0.3036,
0.3201

69.7093, 0.4207,
0.4695

93.4419, 0.3036,
0.3230

67.9123, 0.4310,
0.4794

95.2985, 0.3036,
0.3259

66.2500, 0.4385,
0.4848

97.1845, 0.3035,
0.3289

64.6968, 0.4434,
0.4861

97.2607, 0.3035,
0.3290

64.6956, 0.4434,
0.4861

Harmonies

Analogous

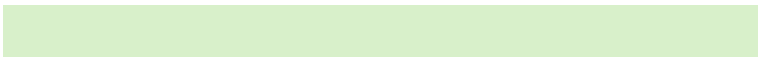
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1767, 0.3595, 0.3627



81.1767, 0.3440, 0.3730



81.1767, 0.3204, 0.3709

Triad

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



81.1767, 0.3440, 0.3730



81.1767, 0.2657, 0.3104



81.1767, 0.3290, 0.3040

Complementary

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



81.1767, 0.3440, 0.3730



57.8647, 0.2798, 0.2808

Split Complementary

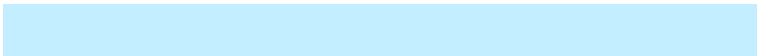
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.1767, 0.3034, 0.2910



81.1767, 0.3440, 0.3730



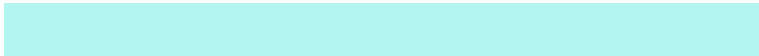
81.1767, 0.2677, 0.2938

Square

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



81.1767, 0.3440, 0.3730



81.1767, 0.2757, 0.3334



81.1767, 0.2812, 0.2872



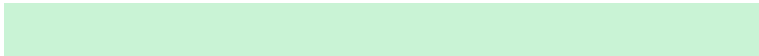
81.1767, 0.3508, 0.3231

Rectangle

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



81.1767, 0.3440, 0.3730



81.1767, 0.3035, 0.3623



81.1767, 0.2812, 0.2872



81.1767, 0.3205, 0.2988

Sweetspot

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



81.1803, 0.3440, 0.3730



97.8469, 0.3218, 0.3419



60.3146, 0.3473, 0.3222



20.8942, 0.3228, 0.3434



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

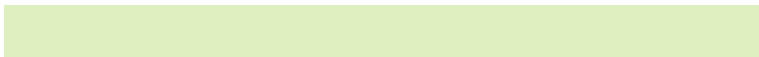
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1803, 0.3440, 0.3730



91.9113, 0.3507, 0.3822



81.7006, 0.3306, 0.3809



18.1043, 0.3271, 0.3495



35.5588, 0.4430, 0.4865



3.0513, 0.4394, 0.4893

Inverse Universe

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



57.8647, 0.2798, 0.2808



60.6239, 0.2722, 0.2695



57.6296, 0.2920, 0.2758



15.5450, 0.2980, 0.3076



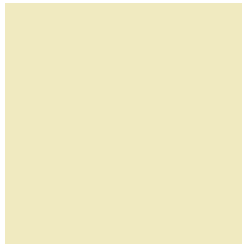
4.0491, 0.1526, 0.0693



0.4378, 0.1575, 0.0871

Previews

White Background



This preview shows how the Yxy color 81.1767, 0.3440, 0.3730 looks on a white background.

Color Contrast Check

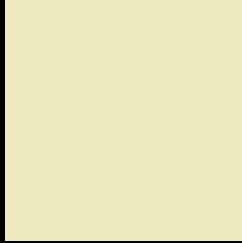
Large Text (above 18pt) WCAG AA × Fail

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 81.1767, 0.3440, 0.3730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

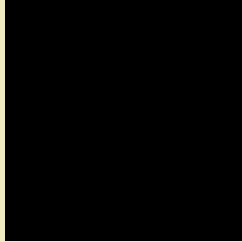
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

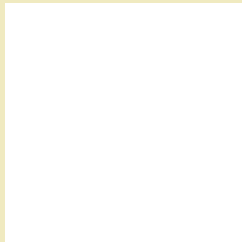
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.1767, 0.3440, 0.3730

Background



This preview shows how black text looks on a background with the Yxy color 81.1767, 0.3440, 0.3730.



This preview shows how white text looks on a background with the Yxy color 81.1767, 0.3440, 0.3730.

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

81.1767, 0.3440, 0.3730

Protanopia

81.0676, 0.3494, 0.3714

Deuteranopia

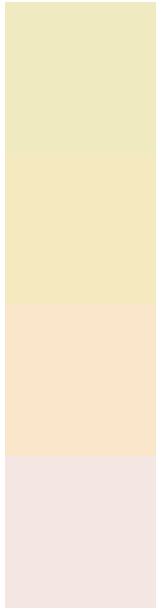
80.8513, 0.3440, 0.3462



Tritanopia

81.3049, 0.3149, 0.3111

Trichromacy



Original Color

81.1767, 0.3440, 0.3730

Protanomaly

81.2725, 0.3478, 0.3726

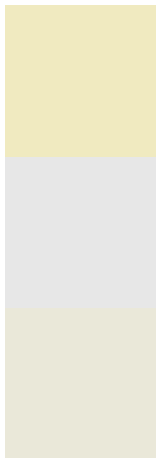
Deuteranomaly

81.2294, 0.3446, 0.3566

Tritanomaly

81.3177, 0.3250, 0.3331

Monochromacy



Original Color

81.1767, 0.3440, 0.3730

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.2154, 0.3237, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1767, 0.3440, 0.3730 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(240, 234, 192)` looks like.

```
.text, #text, p{  
    color:rgb(240, 234, 192)  
}
```

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(240, 234, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 234, 192) }
```

Border

The CSS property to change the border of an element to Yxy 81.1767, 0.3440, 0.3730 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(240, 234, 192) }
```

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

```
.border{ border-color:rgb(240, 234, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 234, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 234, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 234, 192);  
box-shadow:4px 4px 4px 4px rgb(240, 234,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1767, 0.3440, 0.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 234, 192) }
```

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

```
.background{ background-color: rgb(240,  
234, 192) }
```

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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