

Converting Colors

$Yxy(81.6246, 0.3427, 0.3678)$

Have a look what the booklet for
Yxy(81.6246, 0.3427, 0.3678)
contains.

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Color

Yxy(81.7084, 0.3428, 0.3685)

Conversions

Conversions Part 1

Format	Color
Hex	F2EAC4
RGB	242, 234, 196
RGB Percent	95%, 92%, 77%
CMY	0.0510, 0.0823, 0.2312
CMYK	0.00, 0.03, 0.19, 0.05
HSL	50°, 64%, 86%
HSV	50°, 19%, 95%
XYZ	76.0099, 81.7084, 64.0142
YIQ	232.0600, 16.9660, -10.1220

Conversions

Conversions Part 2

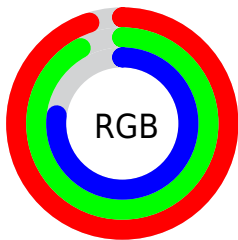
Format	Color
R_{YB}	206, 242, 196
Decimal	15919812
CIE _{Lab}	92.45, -3.34, 19.43
CIE _{LCh}	92, 19.714, 99.746
Yxy	81.7084, 0.3428, 0.3685
Android (android.graphics.Color)	4294109892 (0xFFFF2EAC4)
YUV	232.0600, -17.7776, 8.7174
Hunter-Lab	90.3927, -8.0892, 21.2870

Details

The Yxy color **81.7084, 0.3428, 0.3685** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.3617, 0.2817, 0.2861**, and the grayscale version is **80.8742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **44.2329, 0.3501, 0.3773** is the 20% darker color. If you saturate the color by 10%, you get **78.3253, 0.3599, 0.3899**, and if you desaturate by 10%, it is **85.3337, 0.3265, 0.3474**.

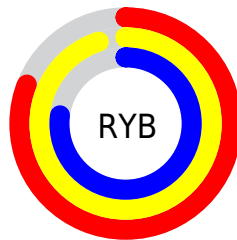
Distribution



Red (95%)

Green (92%)

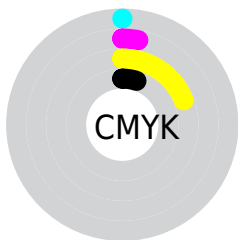
Blue (77%)



Red (81%)

Yellow (95%)

Blue (77%)

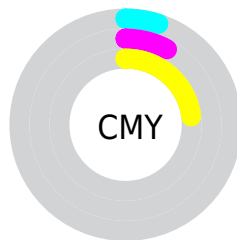


Cyan (0%)

Magenta (3%)

Yellow (19%)

Black (5%)



Cyan (5%)

Magenta (8%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7084, 0.3428, 0.3685 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 81.7084, 0.3428, 0.3685 by changing the saturation by 10% instead.

81.7084, 0.3428,
0.3685

81.7084, 0.3428,
0.3685

500.6718, 0.3293,
0.3505

61.1252, 0.3458,
0.3725

135.7650, 0.3382,
0.3623

44.3262, 0.3494,
0.3775

170.0072, 0.3364,
0.3599

30.9271, 0.3540,
0.3837

209.5712, 0.3348,
0.3578

20.5433, 0.3598,
0.3917

254.8414, 0.3334,
0.3560

12.7906, 0.3674,
0.4023

306.2021, 0.3322,
0.3544

7.2845, 0.3777,
0.4171

364.0378, 0.3311,

3.6407, 0.3924,

0.3529

428.7329, 0.3301,
0.3516

0.4388

1.4747, 0.4439,
0.5073

0.2708, 0.3938,
0.6062

81.7084, 0.3428,
0.3685

81.7084, 0.3428,
0.3685

78.3253, 0.3599,
0.3899

85.3337, 0.3265,
0.3474

75.1645, 0.3773,
0.4109

89.1985, 0.3112,
0.3270

72.2201, 0.3945,
0.4306

92.4041, 0.3049,
0.3208

69.4817, 0.4108,
0.4479

95.0066, 0.3048,
0.3249

■ 66.9375, 0.4255,
0.4618

■ 97.6185, 0.3048,
0.3290

■ 64.5744, 0.4377,
0.4716

■ 62.3768, 0.4472,
0.4766

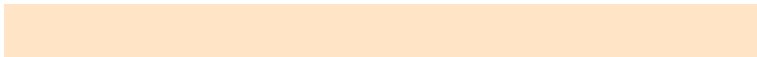
■ 60.3215, 0.4539,
0.4774

■ 60.1194, 0.4545,
0.4773

Harmonies

Analogous

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



81.7084, 0.3559, 0.3585



81.7084, 0.3428, 0.3685



81.7084, 0.3219, 0.3676

Triad

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



81.7084, 0.3428, 0.3685



81.7084, 0.2703, 0.3140



81.7084, 0.3255, 0.3049

Complementary

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



81.7084, 0.3428, 0.3685



61.3617, 0.2817, 0.2861

Split Complementary

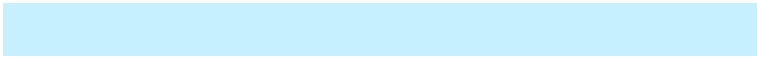
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.7084, 0.3023, 0.2937



81.7084, 0.3428, 0.3685



81.7084, 0.2711, 0.2981

Square

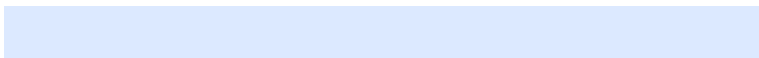
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7084, 0.3428, 0.3685



81.7084, 0.2803, 0.3350



81.7084, 0.2826, 0.2911



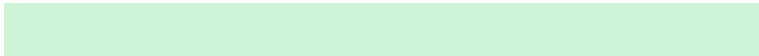
81.7084, 0.3458, 0.3220

Rectangle

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



81.7084, 0.3428, 0.3685



81.7084, 0.3065, 0.3604



81.7084, 0.2826, 0.2911



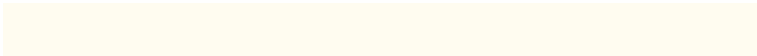
81.7084, 0.3178, 0.3003

Sweetspot

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



81.7120, 0.3428, 0.3685



97.3649, 0.3218, 0.3412



62.7599, 0.3434, 0.3201



20.7800, 0.3229, 0.3425



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

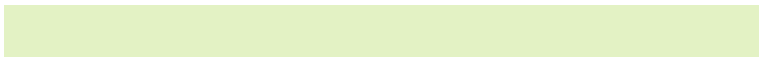
The Same Dimension uses a secret algorithm to generate beautiful new colors.



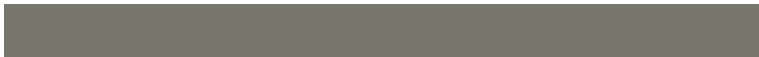
81.7120, 0.3428, 0.3685



90.4359, 0.3497, 0.3772



83.9002, 0.3313, 0.3779



17.9632, 0.3273, 0.3484



32.4745, 0.4538, 0.4779



2.8234, 0.4485, 0.4821

Inverse Universe

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



61.3617, 0.2817, 0.2861



63.4182, 0.2743, 0.2757



59.7000, 0.2915, 0.2784



15.6737, 0.2980, 0.3089



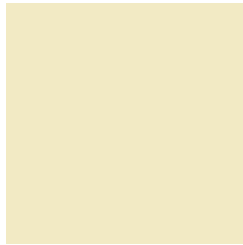
4.4759, 0.1544, 0.0757



0.4986, 0.1604, 0.0972

Previews

White Background



This preview shows how the Yxy color 81.7084, 0.3428, 0.3685 looks on a white background.

Color Contrast Check

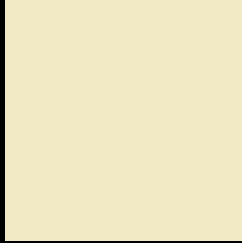
Large Text (above 18pt) WCAG AA × Fail

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 81.7084, 0.3428, 0.3685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

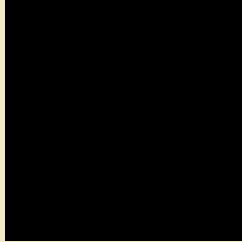
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.7084, 0.3428, 0.3685

Background



This preview shows how black text looks on a background with the Yxy color 81.7084, 0.3428, 0.3685.



This preview shows how white text looks on a background with the Yxy color 81.7084, 0.3428, 0.3685.

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

81.7084, 0.3428, 0.3685

Protanopia

81.8108, 0.3466, 0.3682

Deuteranopia

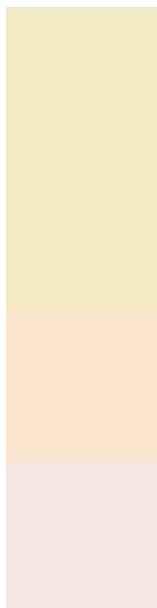
81.5509, 0.3418, 0.3441



Tritanopia

81.4872, 0.3156, 0.3111

Trichromacy



Original Color

81.7084, 0.3428, 0.3685

Protanomaly

81.6304, 0.3458, 0.3683

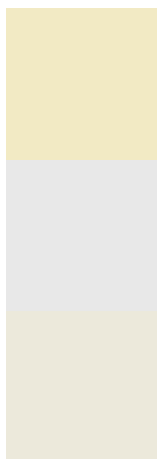
Deuteranomaly

81.4226, 0.3419, 0.3525

Tritanomaly

81.7325, 0.3257, 0.3321

Monochromacy



Original Color

81.7084, 0.3428, 0.3685

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.2252, 0.3237, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7084, 0.3428, 0.3685 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, 234, 196)` looks like.

```
.text, #text, p{  
    color:rgb(242, 234, 196)  
}
```

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, 234, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 234, 196) }
```

Border

The CSS property to change the border of an element to Yxy 81.7084, 0.3428, 0.3685 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, 234, 196) }
```

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

```
.border{ border-color:rgb(242, 234, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 234, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 234, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 234, 196);  
box-shadow:4px 4px 4px 4px rgb(242, 234,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7084, 0.3428, 0.3685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 234, 196) }
```

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

```
.background{ background-color: rgb(242,  
234, 196) }
```

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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