

Converting Colors

$Yxy(80.5364, 0.3429, 0.3623)$

Have a look what the booklet for
Yxy(80.5364, 0.3429, 0.3623)
contains.

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Color

Yxy(80.5084, 0.3428, 0.3622)

Conversions

Conversions Part 1

Format	Color
Hex	F4E7C7
RGB	244, 231, 199
RGB Percent	96%, 91%, 78%
CMY	0.0431, 0.0941, 0.2195
CMYK	0.00, 0.05, 0.18, 0.04
HSL	43°, 67%, 87%
HSV	43°, 18%, 96%
XYZ	76.1962, 80.5084, 65.5714
YIQ	231.2390, 18.0200, -7.1960

Conversions

Conversions Part 2

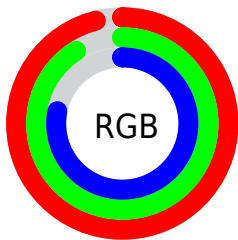
Format	Color
R _Y B	217, 244, 199
Decimal	16050119
CIE Lab	91.91, -0.66, 17.16
CIE LCh	92, 17.174, 92.198
Yxy	80.5084, 0.3428, 0.3622
Android (android.graphics.Color)	4294240199 (0xFFFF4E7C7)
YUV	231.2390, -15.8938, 11.1914
Hunter-Lab	89.7265, -5.4381, 19.4798

Details

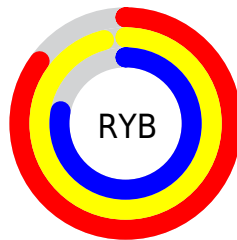
The Yxy color **80.5084, 0.3428, 0.3622** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.7789, 0.2830, 0.2934**, and the grayscale version is **80.2126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6598, 0.3490, 0.3705** is the 20% darker color. If you saturate the color by 10%, you get **75.5983, 0.3611, 0.3810**, and if you desaturate by 10%, it is **85.7665, 0.3259, 0.3439**.

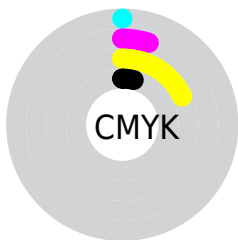
Distribution



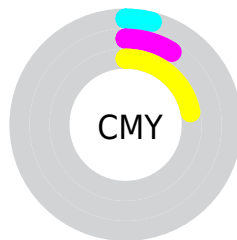
- Red (96%)
- Green (91%)
- Blue (78%)



- Red (85%)
- Yellow (96%)
- Blue (78%)



- Cyan (0%)
- Magenta (5%)
- Yellow (18%)
- Black (4%)



- Cyan (4%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5084, 0.3428, 0.3622 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 80.5084, 0.3428, 0.3622 by changing the saturation by 10% instead.

80.5084, 0.3428,
0.3622

80.5084, 0.3428,
0.3622

496.6445, 0.3292,
0.3471

60.1368, 0.3458,
0.3656

134.0803, 0.3381,
0.3570

43.5289, 0.3496,
0.3697

168.0494, 0.3363,
0.3550

30.3003, 0.3542,
0.3749

207.3197, 0.3347,
0.3532

20.0667, 0.3602,
0.3816

252.2757, 0.3333,
0.3517

12.4435, 0.3682,
0.3904

303.3018, 0.3321,
0.3503

7.0465, 0.3792,
0.4028

360.7824, 0.3310,

3.4912, 0.3953,

0.3491

0.4209

425.1018, 0.3300,
0.3481

■ 1.3932, 0.4443,
0.4752

■ 0.2117, 0.4665,
0.5335

■ 80.5084, 0.3428,
0.3622

■ 80.5084, 0.3428,
0.3622

■ 75.5983, 0.3611,
0.3810

■ 85.7665, 0.3259,
0.3439

■ 71.0151, 0.3805,
0.3996

■ 91.3718, 0.3104,
0.3263

■ 66.7510, 0.4004,
0.4172

■ 96.1774, 0.3060,
0.3262

■ 62.7939, 0.4203,
0.4327

■ 97.9739, 0.3060,
0.3290

■ 59.1304, 0.4392,
0.4452

■ 55.7457, 0.4561,
0.4534

■ 52.6225, 0.4702,
0.4567

■ 49.7368, 0.4812,
0.4552

■ 49.3013, 0.4829,
0.4548

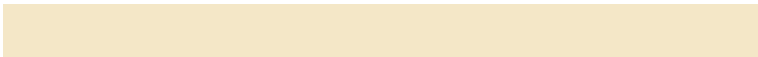
Harmonies

Analogous

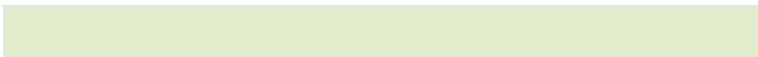
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5084, 0.3518, 0.3517



80.5084, 0.3428, 0.3622



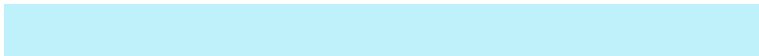
80.5084, 0.3258, 0.3638

Triad

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



80.5084, 0.3428, 0.3622



80.5084, 0.2768, 0.3203



80.5084, 0.3189, 0.3047

Complementary

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



80.5084, 0.3428, 0.3622



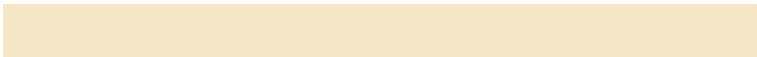
65.7789, 0.2830, 0.2934

Split Complementary

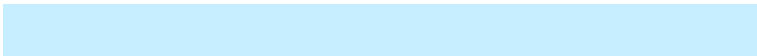
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5084, 0.2988, 0.2966



80.5084, 0.3428, 0.3622



80.5084, 0.2751, 0.3049

Square

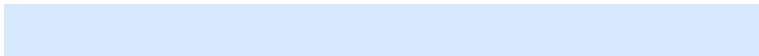
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5084, 0.3428, 0.3622



80.5084, 0.2879, 0.3390



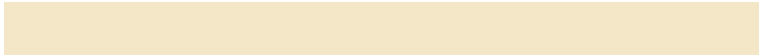
80.5084, 0.2830, 0.2964



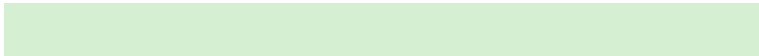
80.5084, 0.3378, 0.3188

Rectangle

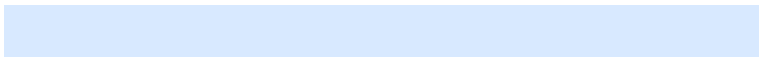
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.5084, 0.3428, 0.3622



80.5084, 0.3124, 0.3592



80.5084, 0.2830, 0.2964



80.5084, 0.3120, 0.3012

Sweetspot

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



80.5120, 0.3428, 0.3622



96.2639, 0.3220, 0.3395



64.8727, 0.3382, 0.3149



20.5192, 0.3230, 0.3407



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.



80.5120, 0.3428, 0.3622



86.9848, 0.3493, 0.3690



86.4927, 0.3343, 0.3759



18.4569, 0.3276, 0.3458



27.0525, 0.4816, 0.4558



2.5536, 0.4719, 0.4635

Inverse Universe

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



65.7789, 0.2830, 0.2934



68.0090, 0.2767, 0.2855



60.8040, 0.2885, 0.2794



16.7070, 0.2980, 0.3117



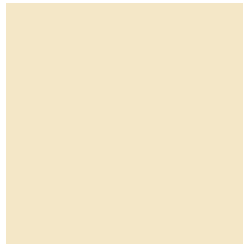
6.1724, 0.1603, 0.0971



0.7116, 0.1670, 0.1213

Previews

White Background



This preview shows how the Yxy color 80.5084, 0.3428, 0.3622 looks on a white background.

Color Contrast Check

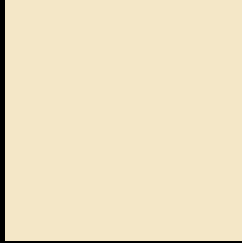
Large Text (above 18pt) WCAG AA × Fail

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 80.5084, 0.3428, 0.3622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

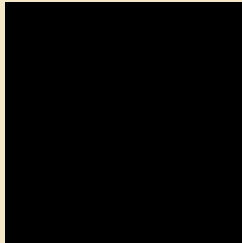
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

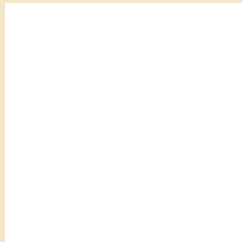
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5084, 0.3428, 0.3622

Background



This preview shows how black text looks on a background with the Yxy color 80.5084, 0.3428, 0.3622.

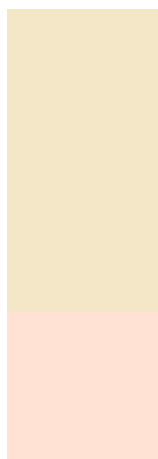


This preview shows how white text looks on a background with the Yxy color 80.5084, 0.3428, 0.3622.

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

80.5084, 0.3428, 0.3622

Protanopia

80.3300, 0.3421, 0.3623

Deuteranopia

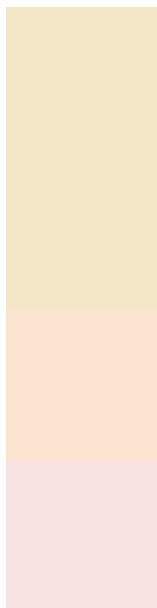
80.3559, 0.3435, 0.3442



Tritanopia

80.5852, 0.3191, 0.3121

Trichromacy



Original Color

80.5084, 0.3428, 0.3622

Protanomaly

80.3300, 0.3421, 0.3623

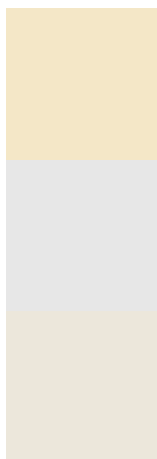
Deuteranomaly

80.5010, 0.3430, 0.3504

Tritanomaly

80.3856, 0.3281, 0.3301

Monochromacy



Original Color

80.5084, 0.3428, 0.3622

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.0992, 0.3239, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5084, 0.3428, 0.3622 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(244, 231, 199)` looks like.

```
.text, #text, p{  
    color:rgb(244, 231, 199)  
}
```

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(244, 231, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 231, 199) }
```

Border

The CSS property to change the border of an element to Yxy 80.5084, 0.3428, 0.3622 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(244, 231, 199) }
```

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

```
.border{ border-color:rgb(244, 231, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 231, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 231, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 231, 199);  
box-shadow:4px 4px 4px 4px rgb(244, 231,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5084, 0.3428, 0.3622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 231, 199) }
```

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

```
.background{ background-color: rgb(244,  
231, 199) }
```

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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