

Converting Colors

$Y_{xy}(118.2459, 0.4622, 0.3625)$

Have a look what the booklet for
Yxy(118.2459, 0.4622, 0.3625)
contains.

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Color

Yxy(80.5130, 0.3656, 0.3809)

Conversions

Conversions Part 1

Format	Color
Hex	FFE5B2
RGB	255, 229, 178
RGB Percent	100%, 90%, 70%
CMY	0.0002, 0.1019, 0.3020
CMYK	0.00, 0.10, 0.30, 0.00
HSL	40°, 100%, 85%
HSV	40°, 30%, 100%
XYZ	77.2790, 80.5130, 53.5837
YIQ	230.9600, 31.8670, -10.3490

Conversions

Conversions Part 2

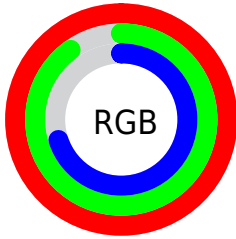
Format	Color
R _Y B	217, 255, 178
Decimal	16770482
CIE Lab	91.91, 1.52, 28.16
CIE LCh	92, 28.199, 86.906
Yxy	80.5130, 0.3656, 0.3809
Android (android.graphics.Color)	4294960562 (0xFFFFE5B2)
YUV	230.9600, -26.1093, 21.0831
Hunter-Lab	89.7290, -3.2930, 27.4040

Details

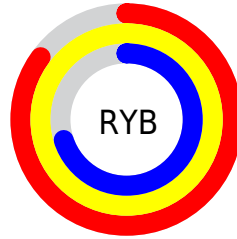
The Yxy color **80.5130, 0.3656, 0.3809** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.8245, 0.2625, 0.2709**, and the grayscale version is **80.0575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **43.6231, 0.3768, 0.3926** is the 20% darker color. If you saturate the color by 10%, you get **74.9503, 0.3861, 0.3984**, and if you desaturate by 10%, it is **86.5084, 0.3465, 0.3632**.

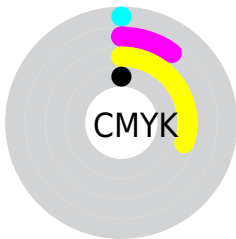
Distribution



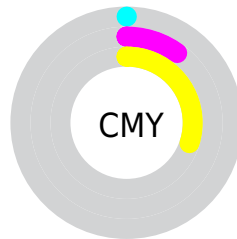
- Red (100%)
- Green (90%)
- Blue (70%)



- Red (85%)
- Yellow (100%)
- Blue (70%)



- Cyan (0%)
- Magenta (10%)
- Yellow (30%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5130, 0.3656, 0.3809 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 80.5130, 0.3656, 0.3809 by changing the saturation by 10% instead.


 80.5130, 0.3656,
0.3809

 80.5130, 0.3656,
0.3809

496.6600, 0.3417,
0.3576

 60.1406, 0.3709,
0.3860

 134.0867, 0.3574,
0.3730

 43.5320, 0.3773,
0.3922


168.0569, 0.3542,
0.3698

 30.3027, 0.3852,
0.3998


207.3284, 0.3515,
0.3671

 20.0685, 0.3952,
0.4094

252.2856, 0.3490,
0.3647

 12.4448, 0.4083,
0.4218

303.3130, 0.3469,
0.3626

 7.0474, 0.4255,
0.4379

360.7949, 0.3450,

 3.4918, 0.4504,

0.3608

0.4608

425.1158, 0.3432,
0.3591

■ 1.3935, 0.4967,
0.5033

■ 0.2120, 0.5296,
0.4704

■ 80.5130, 0.3656,
0.3809

■ 80.5130, 0.3656,
0.3809

■ 74.9503, 0.3861,
0.3984

■ 86.5084, 0.3465,
0.3632

■ 69.7954, 0.4074,
0.4147

■ 92.9385, 0.3289,
0.3459

■ 65.0369, 0.4288,
0.4289

■ 99.8193, 0.3130,
0.3293

■ 60.6584, 0.4493,
0.4398

■ 99.9891, 0.3127,
0.3290

■ 56.6414, 0.4679,
0.4463

■ 52.9646, 0.4836,
0.4477

■ 49.6538, 0.4960,
0.4444

Harmonies

Analogous

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



80.5130, 0.3780, 0.3607



80.5130, 0.3656, 0.3809



80.5130, 0.3391, 0.3878

Triad

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



80.5130, 0.3656, 0.3809



80.5130, 0.2568, 0.3192



80.5130, 0.3164, 0.2870

Complementary

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



80.5130, 0.3656, 0.3809



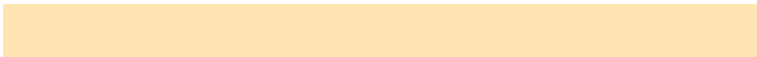
59.8245, 0.2625, 0.2709

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.



80.5130, 0.2845, 0.2760



80.5130, 0.3656, 0.3809



80.5130, 0.2514, 0.2926

Square

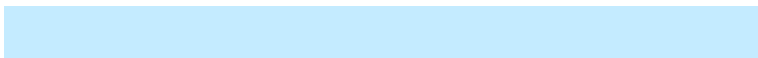
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5130, 0.3656, 0.3809



80.5130, 0.2765, 0.3508



80.5130, 0.2612, 0.2776



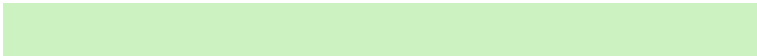
80.5130, 0.3489, 0.3077

Rectangle

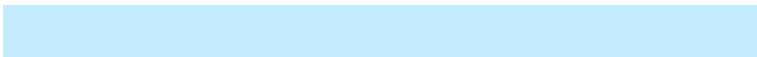
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.5130, 0.3656, 0.3809



80.5130, 0.3174, 0.3825



80.5130, 0.2612, 0.2776



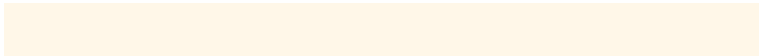
80.5130, 0.3053, 0.2820

Sweetspot

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



80.5167, 0.3656, 0.3809



93.7761, 0.3269, 0.3439



57.4925, 0.3571, 0.3012



19.8640, 0.3293, 0.3463



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

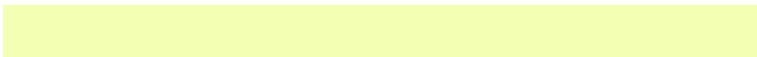
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5167, 0.3656, 0.3809



77.2667, 0.3774, 0.3911



93.8235, 0.3506, 0.4068



19.9996, 0.3278, 0.3447



26.2454, 0.4944, 0.4456



2.7574, 0.4836, 0.4542

Inverse Universe

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



59.8245, 0.2625, 0.2709



53.6640, 0.2520, 0.2575



49.9432, 0.2670, 0.2421



18.3775, 0.2979, 0.3128



7.4862, 0.1635, 0.1084



0.9211, 0.1697, 0.1308

Previews

White Background



This preview shows how the Yxy color 80.5130, 0.3656, 0.3809 looks on a white background.

Color Contrast Check

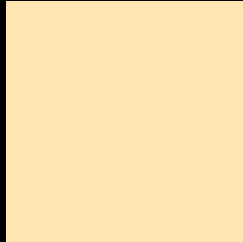
Large Text (above 18pt) WCAG AA × Fail

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 80.5130, 0.3656, 0.3809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

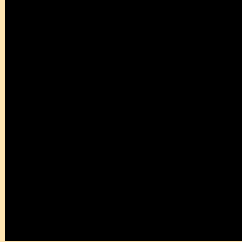
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.5130, 0.3656, 0.3809

Background



This preview shows how black text looks on a background with the Yxy color 80.5130, 0.3656, 0.3809.



This preview shows how white text looks on a background with the Yxy color 80.5130, 0.3656, 0.3809.

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

80.5130, 0.3656, 0.3809

Protanopia

80.7421, 0.3582, 0.3838

Deuteranopia

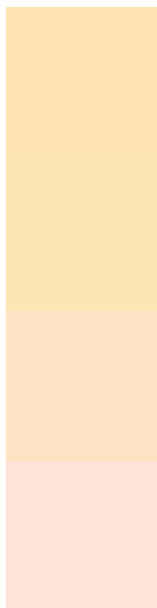
80.6059, 0.3475, 0.3513



Tritanopia

80.6857, 0.3260, 0.3162

Trichromacy



Original Color

80.5130, 0.3656, 0.3809

Protanomaly

80.7305, 0.3607, 0.3825

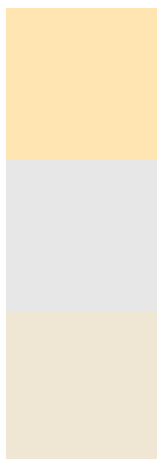
Deuteranomaly

80.6869, 0.3542, 0.3625

Tritanomaly

80.6106, 0.3400, 0.3391

Monochromacy



Original Color

80.5130, 0.3656, 0.3809

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.8724, 0.3314, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5130, 0.3656, 0.3809 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(255, 229, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 178)  
}
```

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(255, 229, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 178) }
```

Border

The CSS property to change the border of an element to Yxy 80.5130, 0.3656, 0.3809 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(255, 229, 178) }
```

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

```
.border{ border-color:rgb(255, 229, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5130, 0.3656, 0.3809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 178) }
```

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

```
.background{ background-color: rgb(255,  
229, 178) }
```

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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