

Converting Colors

$Y_{xy}(108.5323, 0.4212, 0.3749)$

Have a look what the booklet for
Yxy(108.5323, 0.4212, 0.3749)
contains.

Yxy(87.5480, 0.3597, 0.3881)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.5480, 0.3597, 0.3881)

Conversions

Conversions Part 1

Format	Color
Hex	FFF1B6
RGB	255, 241, 182
RGB Percent	100%, 95%, 71%
CMY	0.0000, 0.0549, 0.2862
CMYK	0.00, 0.05, 0.29, 0.00
HSL	48°, 100%, 86%
HSV	48°, 29%, 100%
XYZ	81.1415, 87.5480, 56.8915
YIQ	238.4600, 27.2830, -15.3810

Conversions

Conversions Part 2

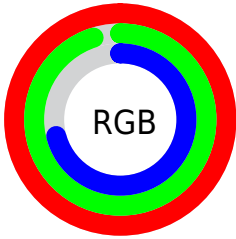
Format	Color
R _Y B	199, 255, 182
Decimal	16773558
CIE Lab	94.97, -4.00, 30.24
CIE LCh	95, 30.505, 97.535
Yxy	87.5480, 0.3597, 0.3881
Android (android.graphics.Color)	4294963638 (0xFFFFF1B6)
YUV	238.4600, -27.8348, 14.5056
Hunter-Lab	93.5671, -8.9470, 29.4469

Details

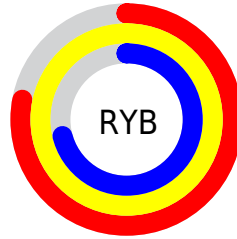
The Yxy color **87.5480, 0.3597, 0.3881** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.6589, 0.2640, 0.2620**, and the grayscale version is **86.0829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9530, 0.3226, 0.3454**, and **48.1532, 0.3688, 0.4006** is the 20% darker color. If you saturate the color by 10%, you get **83.7343, 0.3775, 0.4088**, and if you desaturate by 10%, it is **91.6384, 0.3424, 0.3670**.

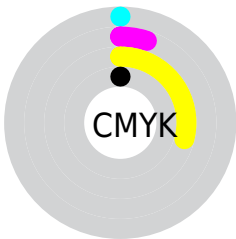
Distribution



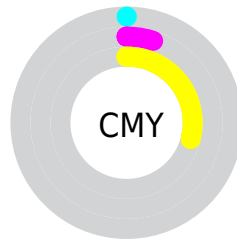
- Red (100%)
- Green (95%)
- Blue (71%)



- Red (78%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (5%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (5%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5480, 0.3597, 0.3881 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 87.5480, 0.3597, 0.3881 by changing the saturation by 10% instead.

 87.5480, 0.3597,
0.3881

 87.5480, 0.3597,
0.3881

520.0219, 0.3390,
0.3616

 65.9488, 0.3642,
0.3939


 143.9277, 0.3527,
0.3791

 48.2308, 0.3695,
0.4009


179.4770, 0.3500,
0.3756

 34.0097, 0.3760,
0.4096


220.4451, 0.3475,
0.3725

 22.9011, 0.3842,
0.4205

267.2165, 0.3454,
0.3698

 14.5205, 0.3944,
0.4345

320.1754, 0.3435,
0.3674

 8.4835, 0.4076,
0.4532

379.7064, 0.3418,

 4.4059, 0.4244,

0.3653

0.4783

446.1937, 0.3403,
0.3633

■ 1.9031, 0.4645,
0.5355

■ 0.5502, 0.4360,
0.5640

■ 87.5480, 0.3597,
0.3881

■ 87.5480, 0.3597,
0.3881

■ 83.7343, 0.3775,
0.4088

■ 91.6384, 0.3424,
0.3670

■ 80.1758, 0.3952,
0.4283

■ 96.0053, 0.3260,
0.3463

■ 76.8639, 0.4120,
0.4454

100.0000, 0.3127,
0.3290

■ 73.7854, 0.4274,
0.4592

■ 70.9252, 0.4404,
0.4689

■ 68.2654, 0.4505,
0.4737

■ 65.7810, 0.4578,
0.4741

■ 65.4466, 0.4587,
0.4740

Harmonies

Analogous

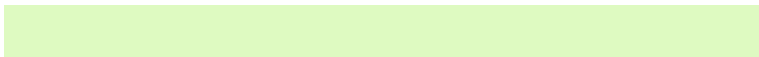
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5480, 0.3789, 0.3708



87.5480, 0.3597, 0.3881



87.5480, 0.3284, 0.3891

Triad

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



87.5480, 0.3597, 0.3881



87.5480, 0.2502, 0.3076



87.5480, 0.3292, 0.2916

Complementary

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



87.5480, 0.3597, 0.3881



56.6589, 0.2640, 0.2620

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.



87.5480, 0.2942, 0.2761



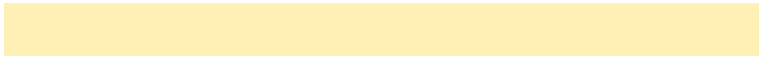
87.5480, 0.3597, 0.3881



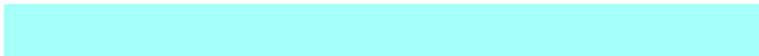
87.5480, 0.2502, 0.2835

Square

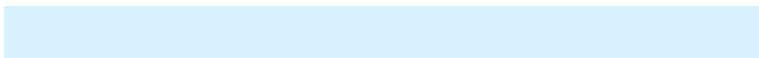
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.5480, 0.3597, 0.3881



87.5480, 0.2658, 0.3401



87.5480, 0.2659, 0.2728



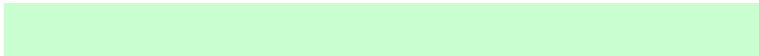
87.5480, 0.3610, 0.3160

Rectangle

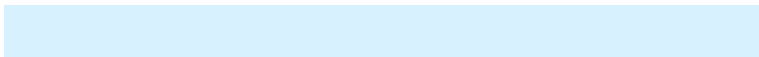
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.5480, 0.3597, 0.3881



87.5480, 0.3053, 0.3791



87.5480, 0.2659, 0.2728



87.5480, 0.3173, 0.2853

Sweetspot

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



87.5515, 0.3597, 0.3881



95.8326, 0.3266, 0.3470



58.7411, 0.3635, 0.3140



20.3727, 0.3289, 0.3500



0.0000, 0.0000, 0.0000



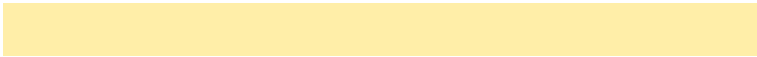
21.4041, 0.3127, 0.3290

Same Dimension

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



87.5515, 0.3597, 0.3881



85.4637, 0.3692, 0.3994



92.2404, 0.3413, 0.4045



20.4636, 0.3274, 0.3481



34.4081, 0.4579, 0.4746



3.4952, 0.4527, 0.4788

Inverse Universe

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



56.6589, 0.2640, 0.2620



50.2460, 0.2536, 0.2470



53.5131, 0.2775, 0.2489



17.9415, 0.2979, 0.3092



5.0760, 0.1550, 0.0780



0.6358, 0.1602, 0.0968

Previews

White Background



This preview shows how the Yxy color 87.5480, 0.3597, 0.3881 looks on a white background.

Color Contrast Check

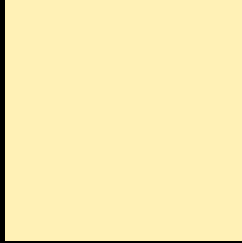
Large Text (above 18pt) WCAG AA × Fail

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 87.5480, 0.3597, 0.3881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

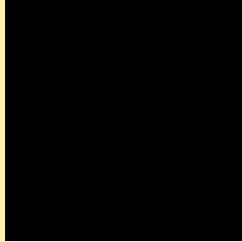
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.5480, 0.3597, 0.3881

Background



This preview shows how black text looks on a background with the Yxy color 87.5480, 0.3597, 0.3881.

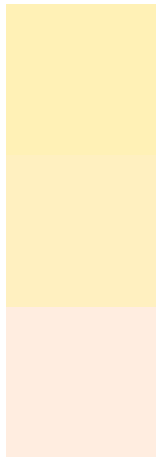


This preview shows how white text looks on a background with the Yxy color 87.5480, 0.3597, 0.3881.

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

87.5480, 0.3597, 0.3881

Protanopia

87.3859, 0.3535, 0.3771

Deuteranopia

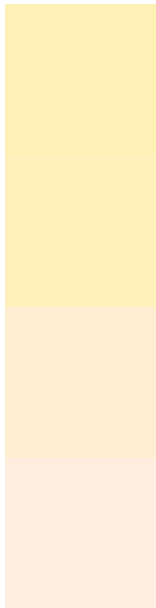
87.2102, 0.3332, 0.3419



Tritanopia

87.3921, 0.3186, 0.3174

Trichromacy



Original Color

87.5480, 0.3597, 0.3881

Protanomaly

87.2110, 0.3561, 0.3812

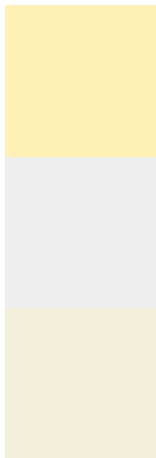
Deuteranomaly

87.0125, 0.3428, 0.3580

Tritanomaly

87.1561, 0.3338, 0.3429

Monochromacy



Original Color

87.5480, 0.3597, 0.3881

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.0281, 0.3292, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5480, 0.3597, 0.3881 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, 241, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 182)  
}
```

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, 241, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 182) }
```

Border

The CSS property to change the border of an element to Yxy 87.5480, 0.3597, 0.3881 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, 241, 182) }
```

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

```
.border{ border-color:rgb(255, 241, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5480, 0.3597, 0.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 182) }
```

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

```
.background{ background-color: rgb(255,  
241, 182) }
```

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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