

Converting Colors

$Y_{xy}(100.0000, 0.3961, 0.3805)$

Have a look what the booklet for
Yxy(100.0000, 0.3961, 0.3805)
contains.

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Color

Yxy(88.1832, 0.3588, 0.3881)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2B7
RGB	255, 242, 183
RGB Percent	100%, 95%, 72%
CMY	0.0002, 0.0509, 0.2825
CMYK	0.00, 0.05, 0.28, 0.00
HSL	49°, 100%, 86%
HSV	49°, 28%, 100%
XYZ	81.5257, 88.1832, 57.5088
YIQ	239.1610, 26.6870, -15.5930

Conversions

Conversions Part 2

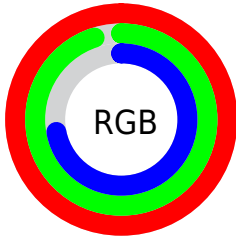
Format	Color
R _Y B	199, 255, 183
Decimal	16773815
CIE Lab	95.24, -4.41, 30.12
CIE LCh	95, 30.443, 98.323
Yxy	88.1832, 0.3588, 0.3881
Android (android.graphics.Color)	4294963895 (0xFFFFF2B7)
YUV	239.1610, -27.6874, 13.8908
Hunter-Lab	93.9059, -9.3681, 29.4244

Details

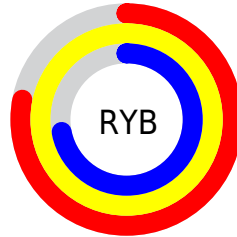
The Yxy color **88.1832, 0.3588, 0.3881** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.7214, 0.2646, 0.2620**, and the grayscale version is **86.6498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **48.7353, 0.3685, 0.4002** is the 20% darker color. If you saturate the color by 10%, you get **84.5261, 0.3764, 0.4091**, and if you desaturate by 10%, it is **92.1089, 0.3417, 0.3667**.

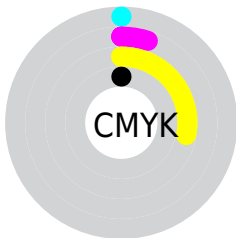
Distribution



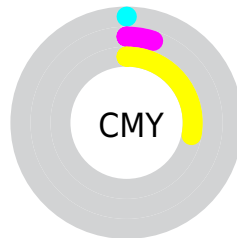
- Red (100%)
- Green (95%)
- Blue (72%)



- Red (78%)
- Yellow (100%)
- Blue (72%)



- Cyan (0%)
- Magenta (5%)
- Yellow (28%)
- Black (0%)





- Cyan (0%)
- Magenta (5%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.1832, 0.3588, 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 88.1832, 0.3588, 0.3881 by changing the saturation by 10% instead.

 88.1832, 0.3588,
0.3881

 88.1832, 0.3588,
0.3881

522.1030, 0.3385,
0.3616

 66.4748, 0.3632,
0.3939

 144.8122, 0.3520,
0.3791

 48.6579, 0.3684,
0.4009


180.5016, 0.3493,
0.3756

 34.3482, 0.3748,
0.4096


221.6200, 0.3469,
0.3725

 23.1612, 0.3827,
0.4205

268.5520, 0.3448,
0.3698

 14.7126, 0.3927,
0.4346

321.6819, 0.3430,
0.3674

 8.6179, 0.4055,
0.4532

381.3941, 0.3413,

 4.4928, 0.4218,

0.3653

0.4785

448.0730, 0.3398,
0.3634

■ 1.9529, 0.4624,
0.5376

■ 0.5799, 0.4334,
0.5666

■ 88.1832, 0.3588,
0.3881

■ 88.1832, 0.3588,
0.3881

■ 84.5261, 0.3764,
0.4091

■ 92.1089, 0.3417,
0.3667

■ 81.1148, 0.3938,
0.4288

■ 96.3013, 0.3253,
0.3457

■ 77.9414, 0.4104,
0.4463

99.9922, 0.3127,
0.3290

■ 74.9927, 0.4254,
0.4604

■ 72.2539, 0.4380,
0.4703

■ 69.7073, 0.4478,
0.4756

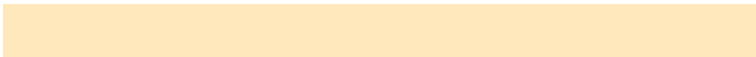
■ 67.3291, 0.4548,
0.4763

■ 66.9207, 0.4559,
0.4762

Harmonies

Analogous

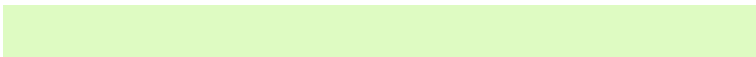
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1832, 0.3783, 0.3713



88.1832, 0.3588, 0.3881



88.1832, 0.3274, 0.3886

Triad

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



88.1832, 0.3588, 0.3881



88.1832, 0.2502, 0.3069



88.1832, 0.3300, 0.2923

Complementary

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



88.1832, 0.3588, 0.3881



56.7214, 0.2646, 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.



88.1832, 0.2952, 0.2766



88.1832, 0.3588, 0.3881



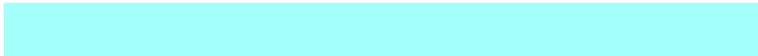
88.1832, 0.2507, 0.2833

Square

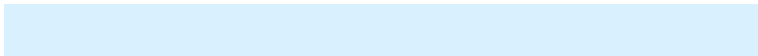
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.1832, 0.3588, 0.3881



88.1832, 0.2654, 0.3392



88.1832, 0.2667, 0.2730



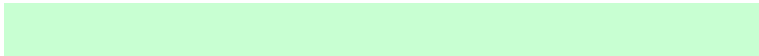
88.1832, 0.3615, 0.3168

Rectangle

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



88.1832, 0.3588, 0.3881



88.1832, 0.3044, 0.3783



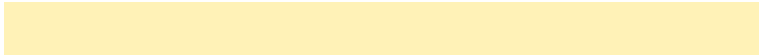
88.1832, 0.2667, 0.2730



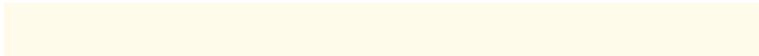
88.1832, 0.3182, 0.2859

Sweetspot

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



88.1872, 0.3588, 0.3881



96.4381, 0.3250, 0.3452



59.1019, 0.3636, 0.3154



20.5027, 0.3274, 0.3484



0.0000, 0.0000, 0.0000



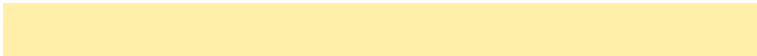
21.4041, 0.3127, 0.3290

Same Dimension

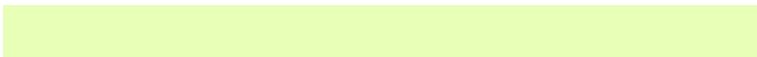
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.1872, 0.3588, 0.3881



86.0766, 0.3689, 0.4003



92.0947, 0.3402, 0.4036



20.5027, 0.3274, 0.3484



35.1817, 0.4552, 0.4768



3.5638, 0.4503, 0.4806

Inverse Universe

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



56.7214, 0.2646, 0.2620



49.8096, 0.2535, 0.2457



54.1626, 0.2790, 0.2503



17.9055, 0.2979, 0.3089



4.9380, 0.1545, 0.0762



0.6173, 0.1596, 0.0944

Previews

White Background



This preview shows how the Yxy color 88.1832, 0.3588, 0.3881 looks on a white background.

Color Contrast Check

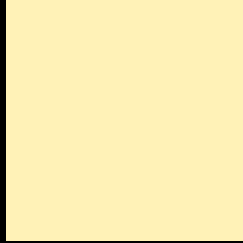
Large Text (above 18pt) WCAG AA × Fail

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 88.1832, 0.3588, 0.3881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

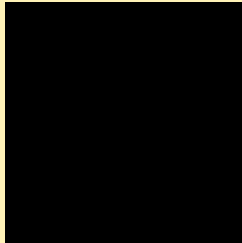
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.1832, 0.3588, 0.3881

Background



This preview shows how black text looks on a background with the Yxy color 88.1832, 0.3588, 0.3881.

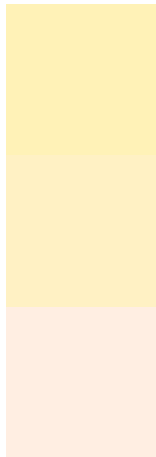


This preview shows how white text looks on a background with the Yxy color 88.1832, 0.3588, 0.3881.

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

88.1832, 0.3588, 0.3881

Protanopia

88.1561, 0.3507, 0.3740

Deuteranopia

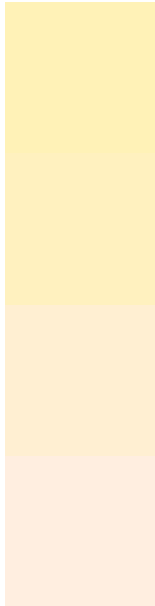
87.9001, 0.3317, 0.3409



Tritanopia

87.9663, 0.3186, 0.3183

Trichromacy



Original Color

88.1832, 0.3588, 0.3881

Protanomaly

87.9322, 0.3539, 0.3791

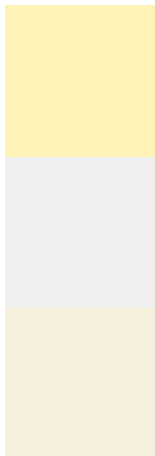
Deuteranomaly

87.6461, 0.3420, 0.3579

Tritanomaly

87.7909, 0.3330, 0.3429

Monochromacy



Original Color

88.1832, 0.3588, 0.3881

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.8471, 0.3291, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.1832, 0.3588, 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, 242, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 183)  
}
```

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, 242, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 183) }
```

Border

The CSS property to change the border of an element to Yxy 88.1832, 0.3588, 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, 242, 183) }
```

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

```
.border{ border-color:rgb(255, 242, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 88.1832, 0.3588, 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, 242, 183) }
```

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

```
.background{ background-color: rgb(255,  
242, 183) }
```

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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