

Converting Colors

$Y_{xy}(100.0000, 0.4013, 0.3838)$

Have a look what the booklet for
Yxy(100.0000, 0.4013, 0.3838)
contains.

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Color

Yxy(87.9786, 0.3620, 0.3930)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2B2
RGB	255, 242, 178
RGB Percent	100%, 95%, 70%
CMY	0.0000, 0.0510, 0.3018
CMYK	0.00, 0.05, 0.30, 0.00
HSL	50°, 100%, 85%
HSV	50°, 30%, 100%
XYZ	81.0388, 87.9786, 54.8467
YIQ	238.5910, 28.2920, -17.1480

Conversions

Conversions Part 2

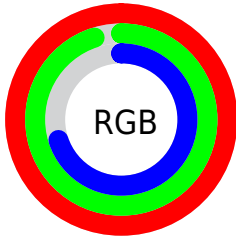
Format	Color
R _Y B	194, 255, 178
Decimal	16773810
CIE Lab	95.15, -4.98, 32.51
CIE LCh	95, 32.888, 98.715
Yxy	87.9786, 0.3620, 0.3930
Android (android.graphics.Color)	4294963890 (0xFFFFF2B2)
YUV	238.5910, -29.8714, 14.3907
Hunter-Lab	93.7969, -9.9239, 30.9887

Details

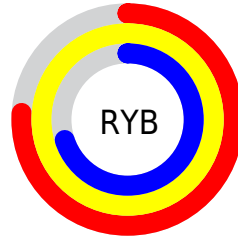
The Yxy color **87.9786, 0.3620, 0.3930** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **53.9679, 0.2608, 0.2556**, and the grayscale version is **86.2017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **48.4688, 0.3716, 0.4067** is the 20% darker color. If you saturate the color by 10%, you get **84.5108, 0.3794, 0.4140**, and if you desaturate by 10%, it is **91.6937, 0.3448, 0.3714**.

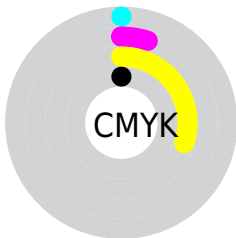
Distribution



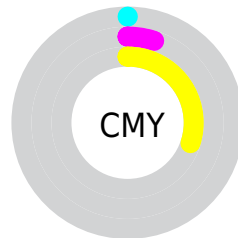
- Red (100%)
- Green (95%)
- Blue (70%)



- Red (76%)
- Yellow (100%)
- Blue (70%)



- Cyan (0%)
- Magenta (5%)
- Yellow (30%)
- Black (0%)




- Cyan (0%)
- Magenta (5%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.9786, 0.3620, 0.3930 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 87.9786, 0.3620, 0.3930 by changing the saturation by 10% instead.


 87.9786, 0.3620,
0.3930

 87.9786, 0.3620,
0.3930


521.4332, 0.3404,
0.3643

 66.3053, 0.3666,
0.3993

 144.5274, 0.3547,
0.3833

 48.5203, 0.3722,
0.4068


180.1717, 0.3519,
0.3794

 34.2391, 0.3789,
0.4161


221.2418, 0.3493,
0.3761

 23.0774, 0.3872,
0.4279

268.1221, 0.3471,
0.3732

 14.6506, 0.3975,
0.4429

321.1970, 0.3451,
0.3706

 8.5746, 0.4106,
0.4626

380.8508, 0.3434,

 4.4647, 0.4272,

0.3683

0.4896

447.4681, 0.3418,
0.3662

■ 1.9368, 0.4590,
0.5410

■ 0.5704, 0.4244,
0.5756

■ 87.9786, 0.3620,
0.3930

■ 87.9786, 0.3620,
0.3930

■ 84.5108, 0.3794,
0.4140

■ 91.6937, 0.3448,
0.3714

■ 81.2847, 0.3964,
0.4336

■ 95.6715, 0.3284,
0.3500

■ 78.2864, 0.4125,
0.4506

99.9198, 0.3130,
0.3294

■ 75.5026, 0.4267,
0.4642

100.0000, 0.3127,
0.3290

■ 72.9180, 0.4384,
0.4733

■ 70.5146, 0.4473,
0.4778

■ 68.3026, 0.4534,
0.4782

Harmonies

Analogous

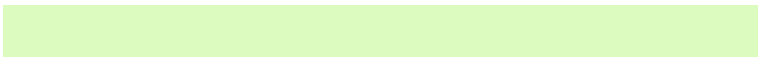
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9786, 0.3834, 0.3747



87.9786, 0.3620, 0.3930



87.9786, 0.3280, 0.3936

Triad

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



87.9786, 0.3620, 0.3930



87.9786, 0.2454, 0.3045



87.9786, 0.3318, 0.2899

Complementary

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



87.9786, 0.3620, 0.3930



53.9679, 0.2608, 0.2556

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.



87.9786, 0.2941, 0.2728



87.9786, 0.3620, 0.3930



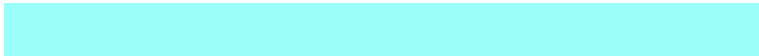
87.9786, 0.2461, 0.2793

Square

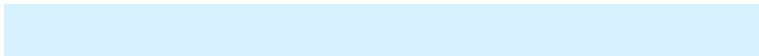
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.9786, 0.3620, 0.3930



87.9786, 0.2613, 0.3395



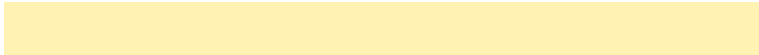
87.9786, 0.2634, 0.2686



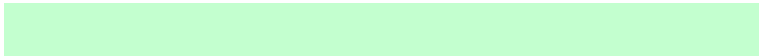
87.9786, 0.3659, 0.3161

Rectangle

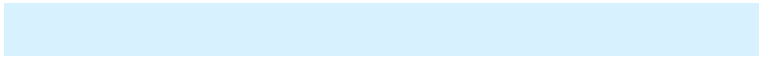
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.9786, 0.3620, 0.3930



87.9786, 0.3031, 0.3823



87.9786, 0.2634, 0.2686



87.9786, 0.3191, 0.2829

Sweetspot

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



87.9768, 0.3620, 0.3930



96.1597, 0.3265, 0.3475



56.9266, 0.3684, 0.3144



20.4537, 0.3289, 0.3506



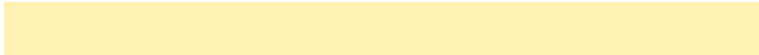
0.0000, 0.0000, 0.0000



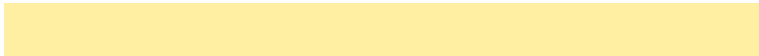
21.4041, 0.3127, 0.3290

Same Dimension

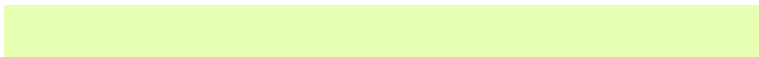
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9768, 0.3620, 0.3930



85.9307, 0.3721, 0.4054



91.6627, 0.3420, 0.4090



20.5375, 0.3273, 0.3486



35.8822, 0.4527, 0.4787



3.6258, 0.4483, 0.4823

Inverse Universe

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



53.9679, 0.2608, 0.2556



47.1525, 0.2494, 0.2387



51.6878, 0.2762, 0.2442



17.8736, 0.2979, 0.3086



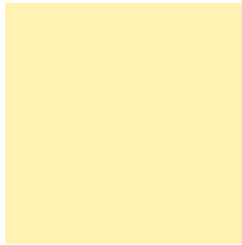
4.8228, 0.1541, 0.0746



0.6015, 0.1590, 0.0924

Previews

White Background



This preview shows how the Yxy color 87.9786, 0.3620, 0.3930 looks on a white background.

Color Contrast Check

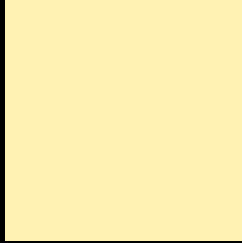
Large Text (above 18pt) WCAG AA × Fail

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 87.9786, 0.3620, 0.3930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

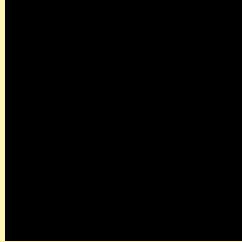
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.9786, 0.3620, 0.3930

Background



This preview shows how black text looks on a background with the Yxy color 87.9786, 0.3620, 0.3930.

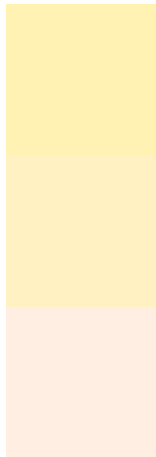


This preview shows how white text looks on a background with the Yxy color 87.9786, 0.3620, 0.3930.

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

87.9786, 0.3620, 0.3930

Protanopia

88.0656, 0.3520, 0.3760

Deuteranopia

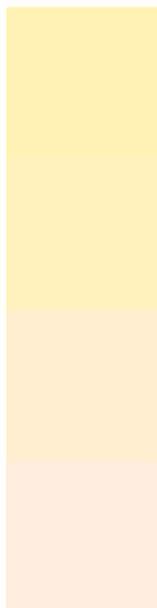
87.8453, 0.3324, 0.3419



Tritanopia

87.9663, 0.3186, 0.3183

Trichromacy



Original Color

87.9786, 0.3620, 0.3930

Protanomaly

87.8014, 0.3559, 0.3821

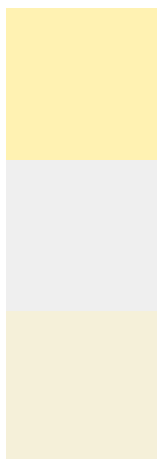
Deuteranomaly

87.5471, 0.3433, 0.3600

Tritanomaly

87.6830, 0.3343, 0.3449

Monochromacy



Original Color

87.9786, 0.3620, 0.3930

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.7424, 0.3304, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9786, 0.3620, 0.3930 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 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, 242, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 178) }
```

Border

The CSS property to change the border of an element to Yxy 87.9786, 0.3620, 0.3930 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, 178) }
```

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

```
.border{ border-color:rgb(255, 242, 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, 242, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9786, 0.3620, 0.3930 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, 178) }
```

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

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