

Converting Colors

$Yxy(94.9507, 0.3866, 0.3886)$

Have a look what the booklet for
Yxy(94.9507, 0.3866, 0.3886)
contains.

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Color

Yxy(87.9386, 0.3626, 0.3940)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2B1
RGB	255, 242, 177
RGB Percent	100%, 95%, 69%
CMY	0.0000, 0.0510, 0.3057
CMYK	0.00, 0.05, 0.31, 0.00
HSL	50°, 100%, 85%
HSV	50°, 31%, 100%
XYZ	80.9303, 87.9386, 54.3255
YIQ	238.4770, 28.6130, -17.4590

Conversions

Conversions Part 2

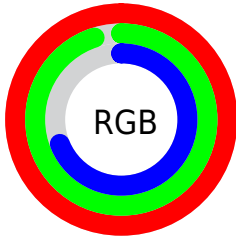
Format	Color
R _Y B	193, 255, 177
Decimal	16773809
CIE Lab	95.14, -5.12, 32.98
CIE LCh	95, 33.380, 98.827
Yxy	87.9386, 0.3626, 0.3940
Android (android.graphics.Color)	4294963889 (0xFFFFF2B1)
YUV	238.4770, -30.3082, 14.4907
Hunter-Lab	93.7756, -10.0580, 31.2954

Details

The Yxy color **87.9386, 0.3626, 0.3940** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **53.4147, 0.2600, 0.2543**, and the grayscale version is **86.1167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **48.4434, 0.3724, 0.4079** is the 20% darker color. If you saturate the color by 10%, you get **84.5180, 0.3800, 0.4150**, and if you desaturate by 10%, it is **91.6160, 0.3455, 0.3724**.

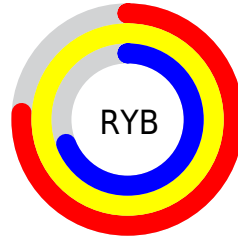
Distribution



Red (100%)

Green (95%)

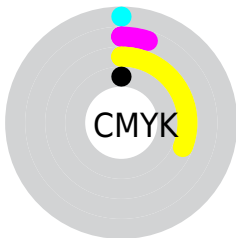
Blue (69%)



Red (76%)

Yellow (100%)

Blue (69%)

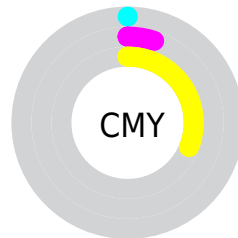


Cyan (0%)

Magenta (5%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (5%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.9386, 0.3626, 0.3940 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 87.9386, 0.3626, 0.3940 by changing the saturation by 10% instead.

 87.9386, 0.3626,
0.3940

 87.9386, 0.3626,
0.3940


521.3021, 0.3407,
0.3649

 66.2722, 0.3673,
0.4004


 144.4717, 0.3553,
0.3841

 48.4934, 0.3729,
0.4080


180.1072, 0.3523,
0.3802

 34.2178, 0.3796,
0.4175


221.1678, 0.3498,
0.3768

 23.0610, 0.3880,
0.4294

268.0380, 0.3475,
0.3739

 14.6385, 0.3984,
0.4446

321.1021, 0.3455,
0.3712

 8.5661, 0.4115,
0.4645

380.7446, 0.3438,

 4.4593, 0.4282,

0.3689

0.4919

447.3498, 0.3422,
0.3668

■ 1.9336, 0.4582,
0.5418

■ 0.5685, 0.4221,
0.5779

■ 87.9386, 0.3626,
0.3940

■ 87.9386, 0.3626,
0.3940

■ 84.5180, 0.3800,
0.4150

■ 91.6160, 0.3455,
0.3724

■ 81.3312, 0.3969,
0.4346

■ 95.5484, 0.3290,
0.3509

■ 78.3701, 0.4128,
0.4515

99.7492, 0.3136,
0.3302

■ 75.6214, 0.4269,
0.4649

99.9993, 0.3127,
0.3290

■ 73.0698, 0.4384,
0.4739

■ 70.6969, 0.4471,
0.4783

■ 68.5959, 0.4529,
0.4786

Harmonies

Analogous

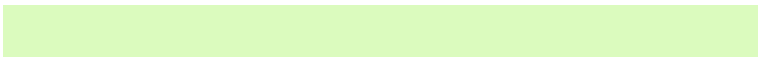
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9386, 0.3844, 0.3754



87.9386, 0.3626, 0.3940



87.9386, 0.3280, 0.3946

Triad

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



87.9386, 0.3626, 0.3940



87.9386, 0.2444, 0.3040



87.9386, 0.3322, 0.2894

Complementary

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



87.9386, 0.3626, 0.3940



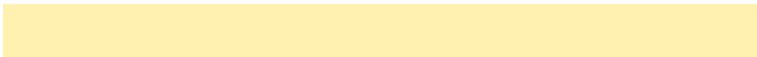
53.4147, 0.2600, 0.2543

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.



87.9386, 0.2940, 0.2721



87.9386, 0.3626, 0.3940



87.9386, 0.2452, 0.2785

Square

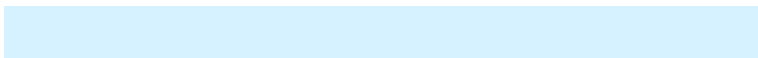
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.9386, 0.3626, 0.3940



87.9386, 0.2605, 0.3395



87.9386, 0.2627, 0.2678



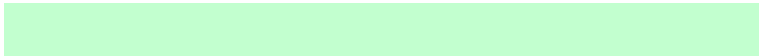
87.9386, 0.3668, 0.3160

Rectangle

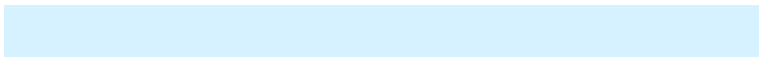
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.9386, 0.3626, 0.3940



87.9386, 0.3028, 0.3831



87.9386, 0.2627, 0.2678



87.9386, 0.3193, 0.2824

Sweetspot

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



87.9426, 0.3626, 0.3940



96.1929, 0.3265, 0.3476



56.4406, 0.3705, 0.3156



20.4619, 0.3288, 0.3507



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.



87.9426, 0.3626, 0.3940



85.7153, 0.3738, 0.4077



91.3539, 0.3415, 0.4104



20.5449, 0.3273, 0.3487



36.0346, 0.4522, 0.4791



3.6393, 0.4478, 0.4826

Inverse Universe

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



53.4147, 0.2600, 0.2543



45.9585, 0.2474, 0.2355



51.3822, 0.2765, 0.2432



17.8667, 0.2979, 0.3086



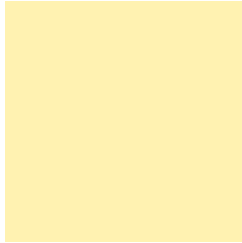
4.7989, 0.1540, 0.0743



0.5981, 0.1589, 0.0919

Previews

White Background



This preview shows how the Yxy color 87.9386, 0.3626, 0.3940 looks on a white background.

Color Contrast Check

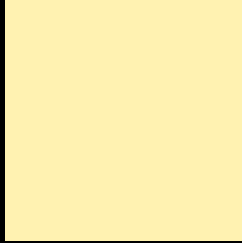
Large Text (above 18pt) WCAG AA × Fail

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 87.9386, 0.3626, 0.3940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

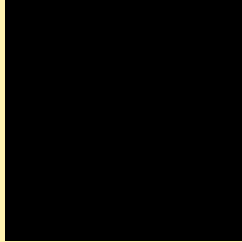
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.9386, 0.3626, 0.3940

Background



This preview shows how black text looks on a background with the Yxy color 87.9386, 0.3626, 0.3940.



This preview shows how white text looks on a background with the Yxy color 87.9386, 0.3626, 0.3940.

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

87.9386, 0.3626, 0.3940

Protanopia

88.0208, 0.3526, 0.3771

Deuteranopia

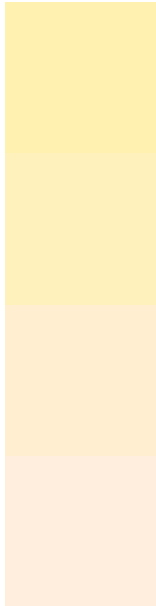
87.8453, 0.3324, 0.3419



Tritanopia

87.9663, 0.3186, 0.3183

Trichromacy



Original Color

87.9386, 0.3626, 0.3940

Protanomaly

87.7585, 0.3565, 0.3831

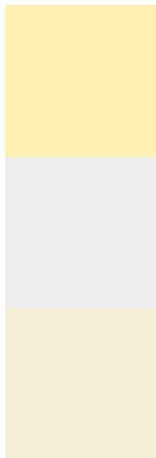
Deuteranomaly

87.5471, 0.3433, 0.3600

Tritanomaly

87.6830, 0.3343, 0.3449

Monochromacy



Original Color

87.9386, 0.3626, 0.3940

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.9240, 0.3305, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9386, 0.3626, 0.3940 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 177) }
```

Border

The CSS property to change the border of an element to Yxy 87.9386, 0.3626, 0.3940 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, 177) }
```

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

```
.border{ border-color:rgb(255, 242, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9386, 0.3626, 0.3940 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, 177) }
```

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

```
.background{ background-color: rgb(255,  
242, 177) }
```

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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