

Converting Colors

$Y_{xy}(100.0000, 0.3986, 0.3796)$

Have a look what the booklet for
Yxy(100.0000, 0.3986, 0.3796)
contains.

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Color

Yxy(87.5895, 0.3591, 0.3871)

Conversions

Conversions Part 1

Format	Color
Hex	FFF1B7
RGB	255, 241, 183
RGB Percent	100%, 95%, 72%
CMY	0.0000, 0.0549, 0.2823
CMYK	0.00, 0.05, 0.28, 0.00
HSL	48°, 100%, 86%
HSV	48°, 28%, 100%
XYZ	81.2539, 87.5895, 57.4276
YIQ	238.5740, 26.9620, -15.0700

Conversions

Conversions Part 2

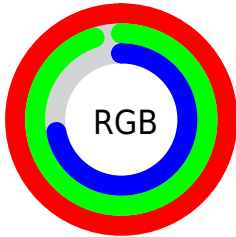
Format	Color
R _Y B	200, 255, 183
Decimal	16773559
CIE Lab	94.99, -3.86, 29.77
CIE LCh	95, 30.016, 97.382
Yxy	87.5895, 0.3591, 0.3871
Android (android.graphics.Color)	4294963639 (0xFFFFF1B7)
YUV	238.5740, -27.3980, 14.4056
Hunter-Lab	93.5893, -8.8081, 29.1314

Details

The Yxy color **87.5895, 0.3591, 0.3871** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.2282, 0.2647, 0.2632**, and the grayscale version is **86.1660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **48.3154, 0.3689, 0.3991** is the 20% darker color. If you saturate the color by 10%, you get **83.7211, 0.3769, 0.4078**, and if you desaturate by 10%, it is **91.7231, 0.3418, 0.3661**.

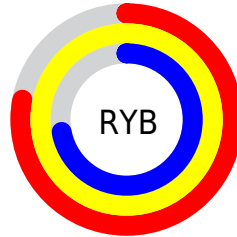
Distribution



Red (100%)

Green (95%)

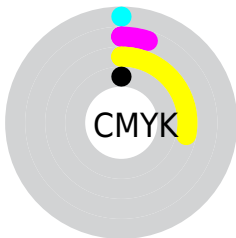
Blue (72%)



Red (78%)

Yellow (100%)

Blue (72%)

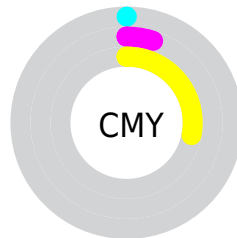


Cyan (0%)

Magenta (5%)

Yellow (28%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5895, 0.3591, 0.3871 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 87.5895, 0.3591, 0.3871 by changing the saturation by 10% instead.

 87.5895, 0.3591,
0.3871

 87.5895, 0.3591,
0.3871


520.1580, 0.3386,
0.3611

 65.9832, 0.3635,
0.3928


 143.9855, 0.3522,
0.3783

 48.2587, 0.3688,
0.3997


179.5440, 0.3495,
0.3748

 34.0318, 0.3753,
0.4082


220.5219, 0.3471,
0.3717

 22.9180, 0.3833,
0.4190

267.3038, 0.3450,
0.3691

 14.5330, 0.3935,
0.4328

320.2739, 0.3431,
0.3667

 8.4923, 0.4067,
0.4512

379.8167, 0.3415,

 4.4115, 0.4235,

0.3646

0.4761

446.3166, 0.3400,
0.3628

■ 1.9063, 0.4654,
0.5346

■ 0.5522, 0.4382,
0.5618

■ 87.5895, 0.3591,
0.3871

■ 87.5895, 0.3591,
0.3871

■ 83.7211, 0.3769,
0.4078

■ 91.7231, 0.3418,
0.3661

■ 80.1176, 0.3946,
0.4273

■ 96.1429, 0.3254,
0.3454

■ 76.7634, 0.4117,
0.4445

100.0000, 0.3127,
0.3290

■ 73.6453, 0.4271,
0.4584

■ 70.7482, 0.4403,
0.4682

■ 68.0543, 0.4507,
0.4732

■ 65.5397, 0.4582,
0.4736

■ 65.1078, 0.4593,
0.4735

Harmonies

Analogous

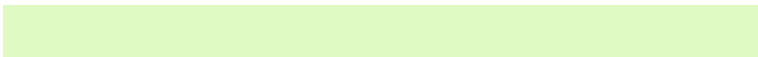
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5895, 0.3779, 0.3701



87.5895, 0.3591, 0.3871



87.5895, 0.3284, 0.3882

Triad

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



87.5895, 0.3591, 0.3871



87.5895, 0.2512, 0.3081



87.5895, 0.3287, 0.2921

Complementary

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



87.5895, 0.3591, 0.3871



57.2282, 0.2647, 0.2632

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.



87.5895, 0.2944, 0.2768



87.5895, 0.3591, 0.3871



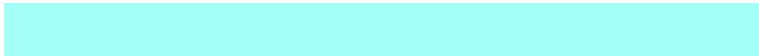
87.5895, 0.2512, 0.2843

Square

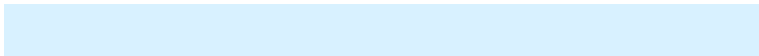
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.5895, 0.3591, 0.3871



87.5895, 0.2666, 0.3402



87.5895, 0.2665, 0.2737



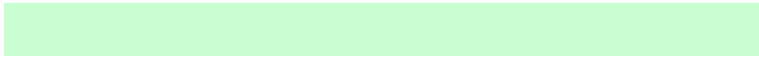
87.5895, 0.3601, 0.3161

Rectangle

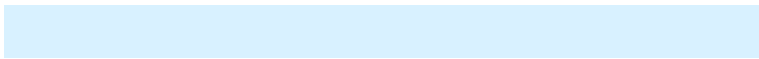
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.5895, 0.3591, 0.3871



87.5895, 0.3056, 0.3784



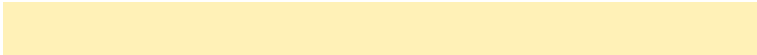
87.5895, 0.2665, 0.2737



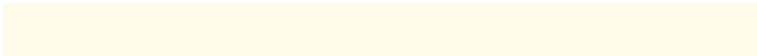
87.5895, 0.3171, 0.2859

Sweetspot

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



87.5859, 0.3591, 0.3871



96.2487, 0.3250, 0.3449



59.1807, 0.3626, 0.3142



20.4547, 0.3274, 0.3480



0.0000, 0.0000, 0.0000



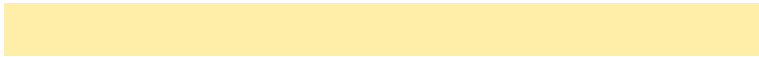
21.4041, 0.3127, 0.3290

Same Dimension

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



87.5859, 0.3591, 0.3871



85.3240, 0.3693, 0.3991



92.3308, 0.3410, 0.4034



20.4547, 0.3274, 0.3480



34.2332, 0.4586, 0.4741



3.4797, 0.4532, 0.4783

Inverse Universe

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



57.2282, 0.2647, 0.2632



50.3463, 0.2537, 0.2473



54.0141, 0.2781, 0.2501



17.9497, 0.2979, 0.3093



5.1089, 0.1551, 0.0785



0.6402, 0.1604, 0.0973

Previews

White Background



This preview shows how the Yxy color 87.5895, 0.3591, 0.3871 looks on a white background.

Color Contrast Check

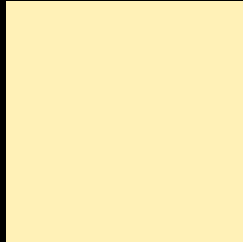
Large Text (above 18pt) WCAG AA × Fail

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 87.5895, 0.3591, 0.3871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

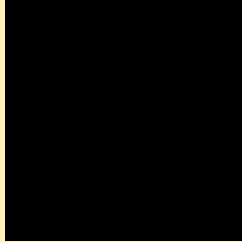
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.5895, 0.3591, 0.3871

Background



This preview shows how black text looks on a background with the Yxy color 87.5895, 0.3591, 0.3871.

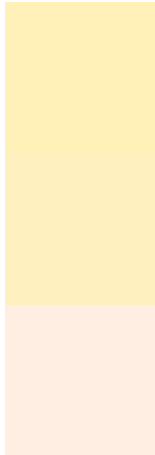


This preview shows how white text looks on a background with the Yxy color 87.5895, 0.3591, 0.3871.

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

87.5895, 0.3591, 0.3871

Protanopia

87.3859, 0.3535, 0.3771

Deuteranopia

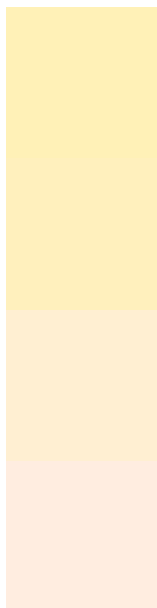
87.8453, 0.3324, 0.3419



Tritanopia

87.3921, 0.3186, 0.3174

Trichromacy



Original Color

87.5895, 0.3591, 0.3871

Protanomaly

87.2543, 0.3555, 0.3802

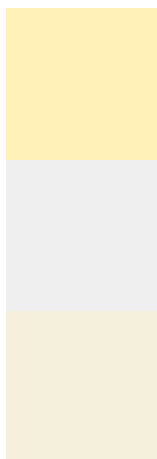
Deuteranomaly

87.6461, 0.3420, 0.3579

Tritanomaly

87.2102, 0.3332, 0.3419

Monochromacy



Original Color

87.5895, 0.3591, 0.3871

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 87.5895, 0.3591, 0.3871 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, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 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, 241, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 183) }
```

Border

The CSS property to change the border of an element to Yxy 87.5895, 0.3591, 0.3871 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, 183) }
```

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

```
.border{ border-color:rgb(255, 241, 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, 241, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5895, 0.3591, 0.3871 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, 183) }
```

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

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