

Converting Colors

$Yxy(90.1159, 0.3764, 0.3944)$

Have a look what the booklet for
Yxy(90.1159, 0.3764, 0.3944)
contains.

Yxy(87.1877, 0.3654, 0.3971)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(87.1877, 0.3654, 0.3971)

Conversions

Conversions Part 1

Format	Color
Hex	FFF1AD
RGB	255, 241, 173
RGB Percent	100%, 95%, 68%
CMY	0.0002, 0.0548, 0.3215
CMYK	0.00, 0.05, 0.32, 0.00
HSL	50°, 100%, 84%
HSV	50°, 32%, 100%
XYZ	80.2276, 87.1877, 52.1458
YIQ	237.4340, 30.1720, -18.1800

Conversions

Conversions Part 2

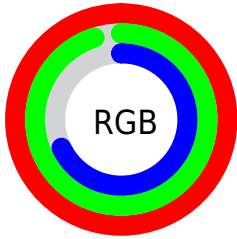
Format	Color
R _Y B	190, 255, 173
Decimal	16773549
CIE Lab	94.82, -5.13, 34.59
CIE LCh	95, 34.967, 98.437
Yxy	87.1877, 0.3654, 0.3971
Android (android.graphics.Color)	4294963629 (0xFFFFF1AD)
YUV	237.4340, -31.7660, 15.4054
Hunter-Lab	93.3744, -10.0372, 32.2510

Details

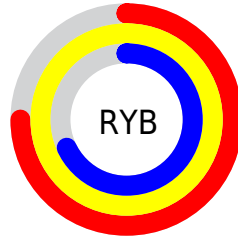
The Yxy color $87.1877, 0.3654, 0.3971$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $51.6272, 0.2570, 0.2501$, and the grayscale version is $85.2720, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.4371, 0.3280, 0.3542$, and $47.9243, 0.3760, 0.4117$ is the 20% darker color. If you saturate the color by 10%, you get $83.7595, 0.3828, 0.4179$, and if you desaturate by 10%, it is $90.8733, 0.3482, 0.3756$.

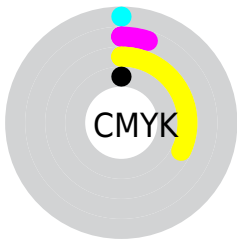
Distribution



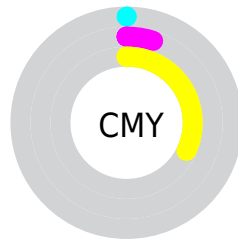
- Red (100%)
- Green (95%)
- Blue (68%)



- Red (75%)
- Yellow (100%)
- Blue (68%)



- Cyan (0%)
- Magenta (5%)
- Yellow (32%)
- Black (0%)




- Cyan (0%)
- Magenta (5%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1877, 0.3654, 0.3971 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 87.1877, 0.3654, 0.3971 by changing the saturation by 10% instead.


 87.1877, 0.3654,
0.3971

 87.1877, 0.3654,
0.3971


518.8394, 0.3423,
0.3666

 65.6505, 0.3703,
0.4037


 143.4257, 0.3577,
0.3868

 47.9888, 0.3762,
0.4118


178.8954, 0.3546,
0.3827

 33.8180, 0.3833,
0.4216

219.7780, 0.3519,
0.3791

 22.7538, 0.3920,
0.4340

266.4580, 0.3495,
0.3760

 14.4118, 0.4029,
0.4498

319.3198, 0.3474,
0.3732

 8.4077, 0.4163,
0.4702

378.7477, 0.3455,

 4.3569, 0.4346,

0.3708

0.4997

445.1261, 0.3438,
0.3686

■ 1.8751, 0.4579,
0.5421

■ 0.5334, 0.4171,
0.5829

■ 87.1877, 0.3654,
0.3971

■ 87.1877, 0.3654,
0.3971

■ 83.7595, 0.3828,
0.4179

■ 90.8733, 0.3482,
0.3756

■ 80.5657, 0.3997,
0.4370

■ 94.8147, 0.3316,
0.3541

■ 77.5979, 0.4155,
0.4534

■ 99.0254, 0.3159,
0.3333

■ 74.8424, 0.4293,
0.4662

99.9917, 0.3127,
0.3290

■ 72.2836, 0.4406,
0.4744

■ 69.9026, 0.4489,
0.4780

■ 68.1332, 0.4537,
0.4780

Harmonies

Analogous

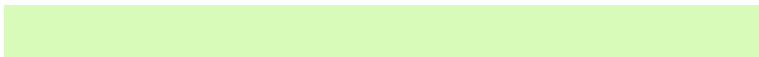
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1877, 0.3882, 0.3772



87.1877, 0.3654, 0.3971



87.1877, 0.3292, 0.3982

Triad

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



87.1877, 0.3654, 0.3971



87.1877, 0.2412, 0.3030



87.1877, 0.3326, 0.2872

Complementary

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



87.1877, 0.3654, 0.3971



51.6272, 0.2570, 0.2501

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.



87.1877, 0.2925, 0.2693



87.1877, 0.3654, 0.3971



87.1877, 0.2419, 0.2762

Square

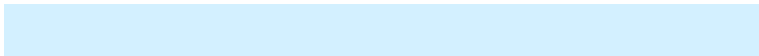
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1877, 0.3654, 0.3971



87.1877, 0.2582, 0.3404



87.1877, 0.2600, 0.2649



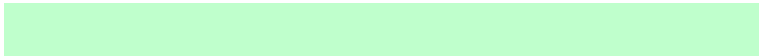
87.1877, 0.3691, 0.3149

Rectangle

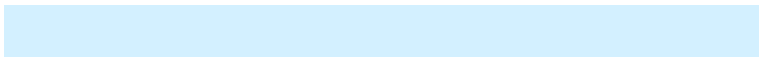
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.1877, 0.3654, 0.3971



87.1877, 0.3027, 0.3863



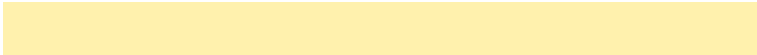
87.1877, 0.2600, 0.2649



87.1877, 0.3190, 0.2799

Sweetspot

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



87.1917, 0.3654, 0.3971



95.7288, 0.3281, 0.3496



54.7801, 0.3734, 0.3134



20.3661, 0.3304, 0.3526



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

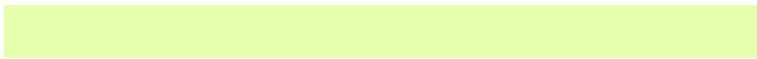
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1917, 0.3654, 0.3971



84.8429, 0.3774, 0.4115



91.1697, 0.3438, 0.4145



20.5338, 0.3273, 0.3486



35.8085, 0.4530, 0.4785



3.6193, 0.4485, 0.4821

Inverse Universe

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



51.6272, 0.2570, 0.2501



43.9259, 0.2434, 0.2299



49.2506, 0.2733, 0.2381



17.8769, 0.2979, 0.3086



4.8345, 0.1541, 0.0748



0.6031, 0.1591, 0.0926

Previews

White Background



This preview shows how the Yxy color 87.1877, 0.3654, 0.3971 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 87.1877, 0.3654, 0.3971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

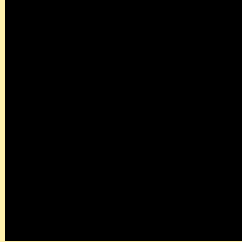
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.1877, 0.3654, 0.3971

Background



This preview shows how black text looks on a background with the Yxy color 87.1877, 0.3654, 0.3971.

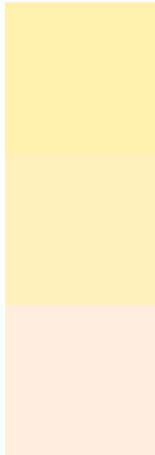


This preview shows how white text looks on a background with the Yxy color 87.1877, 0.3654, 0.3971.

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

87.1877, 0.3654, 0.3971

Protanopia

87.2110, 0.3561, 0.3812

Deuteranopia

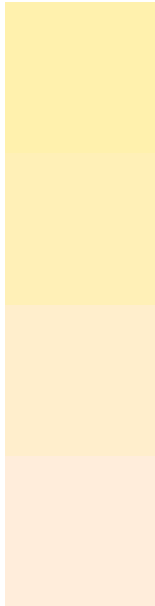
87.1023, 0.3345, 0.3439



Tritanopia

87.3305, 0.3192, 0.3183

Trichromacy



Original Color

87.1877, 0.3654, 0.3971

Protanomaly

86.9991, 0.3593, 0.3862

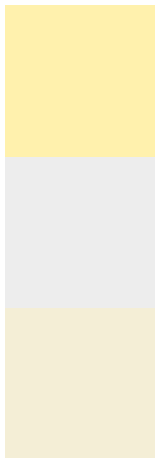
Deuteranomaly

86.7687, 0.3461, 0.3631

Tritanomaly

86.9428, 0.3364, 0.3469

Monochromacy



Original Color

87.1877, 0.3654, 0.3971

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.2372, 0.3319, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1877, 0.3654, 0.3971 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 173)  
}
```

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, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 173) }
```

Border

The CSS property to change the border of an element to Yxy 87.1877, 0.3654, 0.3971 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, 173) }
```

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

```
.border{ border-color:rgb(255, 241, 173) }
```

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, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1877, 0.3654, 0.3971 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, 173) }
```

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

```
.background{ background-color: rgb(255,  
241, 173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor