

Converting Colors

$Yxy(87.2893, 0.3611, 0.3980)$

Have a look what the booklet for
Yxy(87.2893, 0.3611, 0.3980)
contains.

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Color

Yxy(87.0695, 0.3617, 0.3977)

Conversions

Conversions Part 1

Format	Color
Hex	FBF2AE
RGB	251, 242, 174
RGB Percent	98%, 95%, 68%
CMY	0.0155, 0.0510, 0.3177
CMYK	0.00, 0.04, 0.31, 0.02
HSL	53°, 91%, 83%
HSV	53°, 31%, 98%
XYZ	79.1879, 87.0695, 52.6752
YIQ	236.9390, 27.1920, -19.2400

Conversions

Conversions Part 2

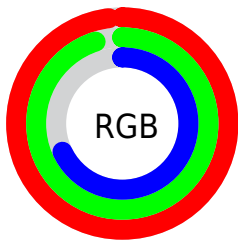
Format	Color
RYB	184, 251, 174
Decimal	16511662
CIELab	94.77, -6.96, 33.97
CIELCh	95, 34.681, 101.585
Yxy	87.0695, 0.3617, 0.3977
Android (android.graphics.Color)	4294701742 (0xFFFBF2AE)
YUV	236.9390, -31.0289, 12.3315
Hunter-Lab	93.3110, -11.8112, 31.8478

Details

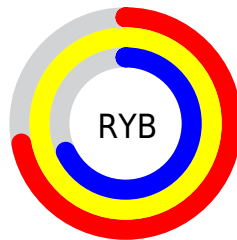
The Yxy color **87.0695, 0.3617, 0.3977** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **49.8556, 0.2593, 0.2494**, and the grayscale version is **84.8731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4932, 0.3274, 0.3532**, and **47.9676, 0.3720, 0.4125** is the 20% darker color. If you saturate the color by 10%, you get **84.4420, 0.3782, 0.4197**, and if you desaturate by 10%, it is **89.9162, 0.3452, 0.3750**.

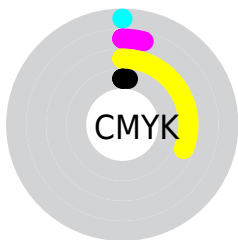
Distribution



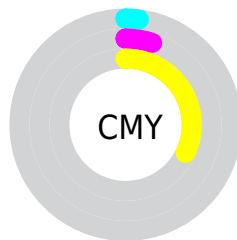
- Red (98%)
- Green (95%)
- Blue (68%)



- Red (72%)
- Yellow (98%)
- Blue (68%)



- Cyan (0%)
- Magenta (4%)
- Yellow (31%)
- Black (2%)




- Cyan (2%)
- Magenta (5%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.0695, 0.3617, 0.3977 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 87.0695, 0.3617, 0.3977 by changing the saturation by 10% instead.

 87.0695, 0.3617,
0.3977

 87.0695, 0.3617,
0.3977


518.4512, 0.3403,
0.3668

 65.5527, 0.3662,
0.4045


 143.2610, 0.3545,
0.3872

 47.9094, 0.3717,
0.4127


178.7045, 0.3517,
0.3830

 33.7551, 0.3782,
0.4228

219.5591, 0.3492,
0.3794

 22.7056, 0.3863,
0.4356

266.2091, 0.3470,
0.3763

 14.3762, 0.3962,
0.4520

319.0389, 0.3450,
0.3735

 8.3828, 0.4084,
0.4735

378.4329, 0.3433,

 4.3409, 0.4247,

0.3710

0.5044

444.7756, 0.3417,
0.3688

■ 1.8660, 0.4470,
0.5530

■ 0.5278, 0.3859,
0.6141

■ 87.0695, 0.3617,
0.3977

■ 87.0695, 0.3617,
0.3977

■ 84.4420, 0.3782,
0.4197

■ 89.9162, 0.3452,
0.3750

■ 82.0116, 0.3940,
0.4399

■ 92.9798, 0.3291,
0.3524

■ 79.7707, 0.4085,
0.4575

■ 96.2732, 0.3137,
0.3305

■ 77.7068, 0.4209,
0.4714

■ 98.4902, 0.3103,
0.3278

■ 75.8054, 0.4307,
0.4810

■ 99.2579, 0.3103,
0.3290

■ 74.0490, 0.4378,
0.4860

■ 72.5187, 0.4421,
0.4872

Harmonies

Analogous

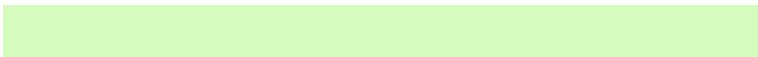
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0695, 0.3861, 0.3795



87.0695, 0.3617, 0.3977



87.0695, 0.3249, 0.3965

Triad

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



87.0695, 0.3617, 0.3977



87.0695, 0.2410, 0.2998



87.0695, 0.3367, 0.2900

Complementary

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



87.0695, 0.3617, 0.3977



49.8556, 0.2593, 0.2494

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.



87.0695, 0.2966, 0.2710



87.0695, 0.3617, 0.3977



87.0695, 0.2435, 0.2747

Square

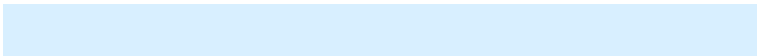
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.0695, 0.3617, 0.3977



87.0695, 0.2561, 0.3362



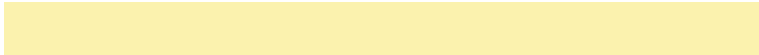
87.0695, 0.2632, 0.2651



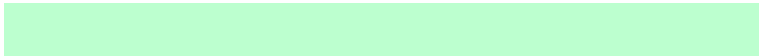
87.0695, 0.3718, 0.3183

Rectangle

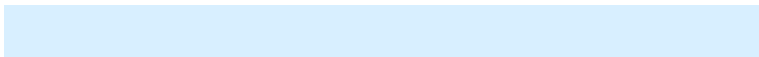
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.0695, 0.3617, 0.3977



87.0695, 0.2987, 0.3832



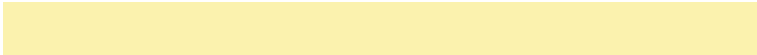
87.0695, 0.2632, 0.2651



87.0695, 0.3232, 0.2824

Sweetspot

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



87.0734, 0.3617, 0.3977



96.9003, 0.3264, 0.3487



54.2617, 0.3731, 0.3183



20.6373, 0.3287, 0.3519



0.0000, 0.0000, 0.0000



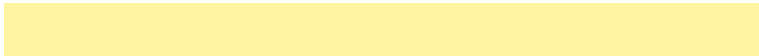
21.4041, 0.3127, 0.3290

Same Dimension

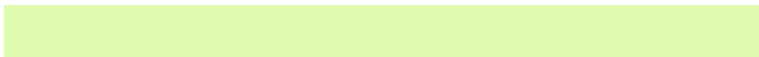
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0734, 0.3617, 0.3977



88.4695, 0.3722, 0.4118



87.7350, 0.3398, 0.4111



19.8219, 0.3272, 0.3497



38.2440, 0.4416, 0.4875



3.6375, 0.4386, 0.4899

Inverse Universe

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



49.8556, 0.2593, 0.2494



44.1661, 0.2465, 0.2298



49.8311, 0.2783, 0.2434



16.9714, 0.2979, 0.3074



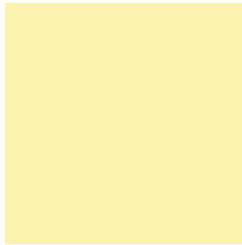
4.2417, 0.1524, 0.0684



0.4952, 0.1566, 0.0838

Previews

White Background



This preview shows how the Yxy color 87.0695, 0.3617, 0.3977 looks on a white background.

Color Contrast Check

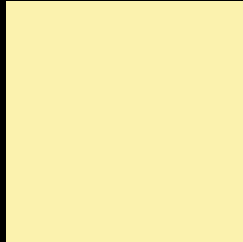
Large Text (above 18pt) WCAG AA × Fail

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 87.0695, 0.3617, 0.3977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

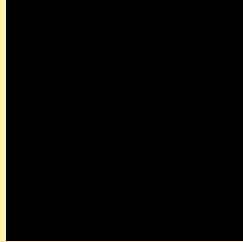
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.0695, 0.3617, 0.3977

Background



This preview shows how black text looks on a background with the Yxy color 87.0695, 0.3617, 0.3977.



This preview shows how white text looks on a background with the Yxy color 87.0695, 0.3617, 0.3977.

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

87.0695, 0.3617, 0.3977

Protanopia

87.1680, 0.3567, 0.3822

Deuteranopia

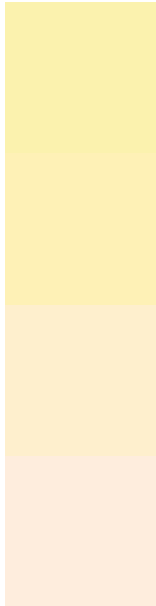
87.1023, 0.3345, 0.3439



Tritanopia

86.8829, 0.3180, 0.3154

Trichromacy



Original Color

87.0695, 0.3617, 0.3977

Protanomaly

87.3588, 0.3590, 0.3883

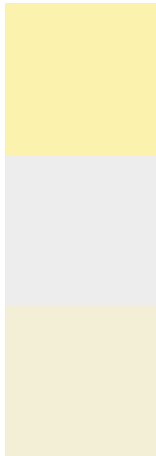
Deuteranomaly

87.2116, 0.3445, 0.3631

Tritanomaly

86.8597, 0.3344, 0.3450

Monochromacy



Original Color

87.0695, 0.3617, 0.3977

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.4653, 0.3304, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0695, 0.3617, 0.3977 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(251, 242, 174)` looks like.

```
.text, #text, p{  
    color:rgb(251, 242, 174)  
}
```

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(251, 242, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 242, 174) }
```

Border

The CSS property to change the border of an element to Yxy 87.0695, 0.3617, 0.3977 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(251, 242, 174) }
```

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

```
.border{ border-color:rgb(251, 242, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 242, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 242, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 242, 174);  
box-shadow:4px 4px 4px 4px rgb(251, 242,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0695, 0.3617, 0.3977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 242, 174) }
```

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

```
.background{ background-color: rgb(251,  
242, 174) }
```

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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