

Converting Colors

$Yxy(87.8831, 0.3653, 0.3987)$

Have a look what the booklet for
Yxy(87.8831, 0.3653, 0.3987)
contains.

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Color

Yxy(87.7814, 0.3652, 0.3980)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2AD
RGB	255, 242, 173
RGB Percent	100%, 95%, 68%
CMY	0.0000, 0.0510, 0.3216
CMYK	0.00, 0.05, 0.32, 0.00
HSL	50°, 100%, 84%
HSV	50°, 32%, 100%
XYZ	80.5472, 87.7814, 52.2277
YIQ	238.0210, 29.8970, -18.7030

Conversions

Conversions Part 2

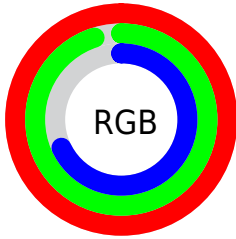
Format	Color
R _Y B	188, 255, 173
Decimal	16773805
CIE Lab	95.07, -5.59, 34.94
CIE LCh	95, 35.383, 99.083
Yxy	87.7814, 0.3652, 0.3980
Android (android.graphics.Color)	4294963885 (0xFFFFF2AD)
YUV	238.0210, -32.0554, 14.8906
Hunter-Lab	93.6917, -10.5034, 32.5335

Details

The Yxy color **87.7814, 0.3652, 0.3980** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **51.2207, 0.2568, 0.2489**, and the grayscale version is **85.7472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4371, 0.3280, 0.3542**, and **48.3442, 0.3755, 0.4128** is the 20% darker color. If you saturate the color by 10%, you get **84.5004, 0.3824, 0.4190**, and if you desaturate by 10%, it is **91.2938, 0.3481, 0.3762**.

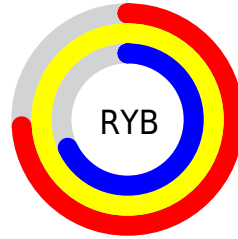
Distribution



Red (100%)

Green (95%)

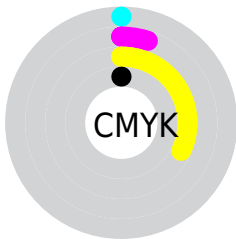
Blue (68%)



Red (74%)

Yellow (100%)

Blue (68%)

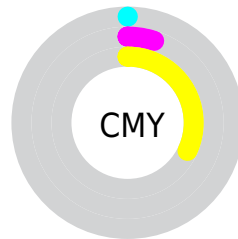


Cyan (0%)

Magenta (5%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (5%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7814, 0.3652, 0.3980 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 87.7814, 0.3652, 0.3980 by changing the saturation by 10% instead.

 87.7814, 0.3652,
0.3980

 87.7814, 0.3652,
0.3980


520.7871, 0.3422,
0.3671

 66.1420, 0.3701,
0.4047

 144.2528, 0.3575,
0.3875

 48.3877, 0.3759,
0.4129


179.8536, 0.3545,
0.3834

 34.1340, 0.3829,
0.4228


220.8770, 0.3518,
0.3798

 22.9966, 0.3915,
0.4353

267.7075, 0.3494,
0.3766

 14.5910, 0.4022,
0.4513

320.7293, 0.3473,
0.3738

 8.5328, 0.4153,
0.4719

380.3269, 0.3454,

 4.4377, 0.4330,

0.3714

0.5016

446.8847, 0.3438,
0.3691

■ 1.9213, 0.4555,
0.5445

■ 0.5611, 0.4143,
0.5857

■ 87.7814, 0.3652,
0.3980

■ 87.7814, 0.3652,
0.3980

■ 84.5004, 0.3824,
0.4190

■ 91.2938, 0.3481,
0.3762

■ 81.4551, 0.3990,
0.4383

■ 95.0632, 0.3316,
0.3545

■ 78.6281, 0.4144,
0.4549

■ 99.0940, 0.3159,
0.3334

■ 76.0059, 0.4278,
0.4677

100.0000, 0.3127,
0.3290

■ 73.5728, 0.4387,
0.4761

■ 71.3101, 0.4466,
0.4799

■ 69.6334, 0.4511,
0.4801

Harmonies

Analogous

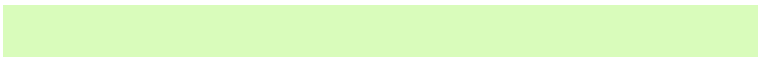
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7814, 0.3886, 0.3781



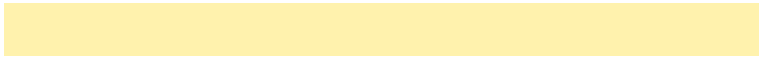
87.7814, 0.3652, 0.3980



87.7814, 0.3284, 0.3987

Triad

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



87.7814, 0.3652, 0.3980



87.7814, 0.2404, 0.3020



87.7814, 0.3337, 0.2874

Complementary

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



87.7814, 0.3652, 0.3980



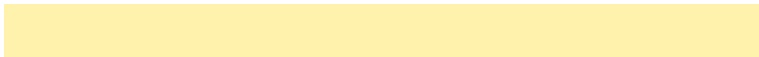
51.2207, 0.2568, 0.2489

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.



87.7814, 0.2931, 0.2690



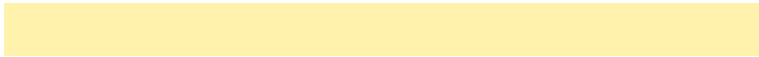
87.7814, 0.3652, 0.3980



87.7814, 0.2415, 0.2753

Square

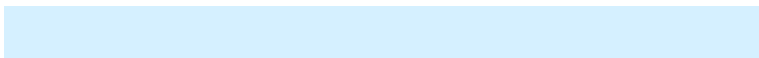
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.7814, 0.3652, 0.3980



87.7814, 0.2572, 0.3397



87.7814, 0.2601, 0.2643



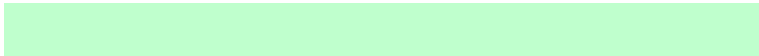
87.7814, 0.3703, 0.3154

Rectangle

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



87.7814, 0.3652, 0.3980



87.7814, 0.3017, 0.3864



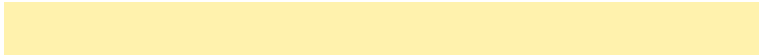
87.7814, 0.2601, 0.2643



87.7814, 0.3200, 0.2799

Sweetspot

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



87.7763, 0.3652, 0.3980



95.9115, 0.3281, 0.3499



54.7170, 0.3747, 0.3149



20.4106, 0.3303, 0.3529



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.



87.7763, 0.3652, 0.3980



85.5102, 0.3769, 0.4125



90.9758, 0.3429, 0.4149



20.5710, 0.3273, 0.3488



36.5687, 0.4504, 0.4805



3.6864, 0.4463, 0.4838

Inverse Universe

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



51.2207, 0.2568, 0.2489



43.4917, 0.2432, 0.2285



49.4283, 0.2742, 0.2382



17.8429, 0.2979, 0.3084



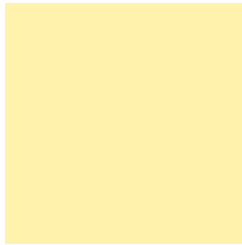
4.7182, 0.1537, 0.0732



0.5868, 0.1585, 0.0905

Previews

White Background



This preview shows how the Yxy color 87.7814, 0.3652, 0.3980 looks on a white background.

Color Contrast Check

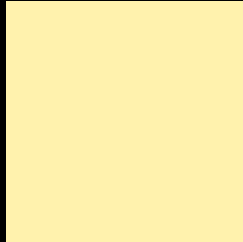
Large Text (above 18pt) WCAG AA × Fail

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 87.7814, 0.3652, 0.3980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

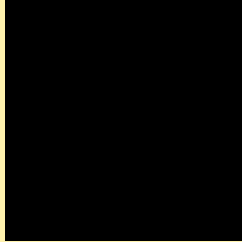
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.7814, 0.3652, 0.3980

Background



This preview shows how black text looks on a background with the Yxy color 87.7814, 0.3652, 0.3980.

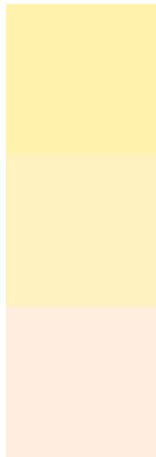


This preview shows how white text looks on a background with the Yxy color 87.7814, 0.3652, 0.3980.

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

87.7814, 0.3652, 0.3980

Protanopia

87.9764, 0.3533, 0.3781

Deuteranopia

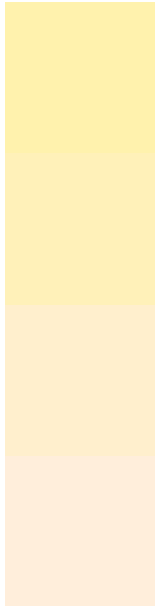
87.7909, 0.3330, 0.3429



Tritanopia

87.9047, 0.3192, 0.3193

Trichromacy



Original Color

87.7814, 0.3652, 0.3980

Protanomaly

87.6734, 0.3578, 0.3851

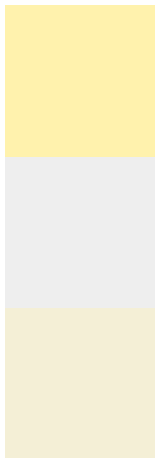
Deuteranomaly

87.4008, 0.3452, 0.3630

Tritanomaly

87.5235, 0.3363, 0.3479

Monochromacy



Original Color

87.7814, 0.3652, 0.3980

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.8211, 0.3318, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7814, 0.3652, 0.3980 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 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, 242, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 173) }
```

Border

The CSS property to change the border of an element to Yxy 87.7814, 0.3652, 0.3980 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, 173) }
```

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

```
.border{ border-color:rgb(255, 242, 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, 242, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7814, 0.3652, 0.3980 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, 173) }
```

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

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

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