

Converting Colors

$Yxy(87.6183, 0.3619, 0.3904)$

Have a look what the booklet for
Yxy(87.6183, 0.3619, 0.3904)
contains.

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Color

Yxy(87.4659, 0.3610, 0.3901)

Conversions

Conversions Part 1

Format	Color
Hex	FFF1B4
RGB	255, 241, 180
RGB Percent	100%, 95%, 71%
CMY	0.0000, 0.0549, 0.2940
CMYK	0.00, 0.05, 0.29, 0.00
HSL	49°, 100%, 85%
HSV	49°, 29%, 100%
XYZ	80.9413, 87.4659, 55.8069
YIQ	238.2320, 27.9250, -16.0030

Conversions

Conversions Part 2

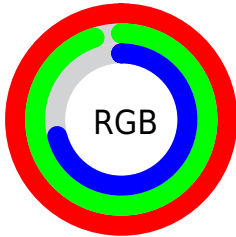
Format	Color
R _Y B	197, 255, 180
Decimal	16773556
CIE Lab	94.94, -4.24, 31.21
CIE LCh	95, 31.499, 97.738
Yxy	87.4659, 0.3610, 0.3901
Android (android.graphics.Color)	4294963636 (0xFFFFF1B4)
YUV	238.2320, -28.7084, 14.7055
Hunter-Lab	93.5232, -9.1797, 30.0869

Details

The Yxy color **87.4659, 0.3610, 0.3901** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.5200, 0.2624, 0.2594**, and the grayscale version is **85.8997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **48.1005, 0.3704, 0.4031** is the 20% darker color. If you saturate the color by 10%, you get **83.7373, 0.3787, 0.4109**, and if you desaturate by 10%, it is **91.4586, 0.3437, 0.3689**.

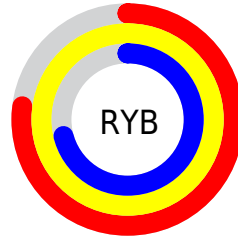
Distribution



Red (100%)

Green (95%)

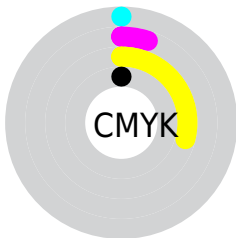
Blue (71%)



Red (77%)

Yellow (100%)

Blue (71%)

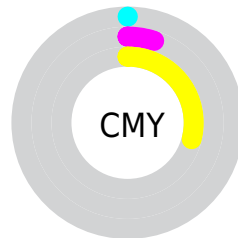


Cyan (0%)

Magenta (5%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4659, 0.3610, 0.3901 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 87.4659, 0.3610, 0.3901 by changing the saturation by 10% instead.


 87.4659, 0.3610,
0.3901

 87.4659, 0.3610,
0.3901

519.7526, 0.3397,
0.3627

 65.8808, 0.3656,
0.3961


 143.8133, 0.3539,
0.3808

 48.1757, 0.3710,
0.4033

179.3445, 0.3510,
0.3771

 33.9660, 0.3777,
0.4123

220.2932, 0.3485,
0.3739

 22.8675, 0.3860,
0.4235

267.0437, 0.3463,
0.3712

 14.4957, 0.3964,
0.4380

319.9805, 0.3444,
0.3687

 8.4662, 0.4097,
0.4570

379.4880, 0.3427,

 4.3947, 0.4266,

0.3665

0.4829

445.9506, 0.3411,
0.3645

■ 1.8967, 0.4631,
0.5369

■ 0.5464, 0.4321,
0.5679

■ 87.4659, 0.3610,
0.3901

■ 87.4659, 0.3610,
0.3901

■ 83.7373, 0.3787,
0.4109

■ 91.4586, 0.3437,
0.3689

■ 80.2630, 0.3962,
0.4303

■ 95.7269, 0.3272,
0.3480

■ 77.0304, 0.4129,
0.4473

100.0000, 0.3127,
0.3290

■ 74.0262, 0.4278,
0.4609

■ 71.2351, 0.4404,
0.4702

■ 68.6392, 0.4502,
0.4747

■ 66.2111, 0.4571,
0.4750

■ 66.0697, 0.4575,
0.4749

Harmonies

Analogous

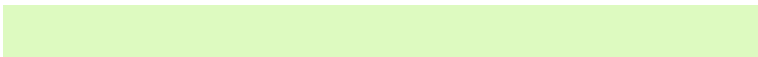
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4659, 0.3810, 0.3722



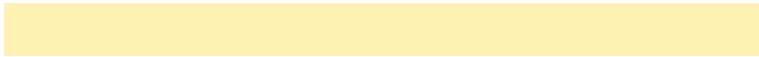
87.4659, 0.3610, 0.3901



87.4659, 0.3286, 0.3912

Triad

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



87.4659, 0.3610, 0.3901



87.4659, 0.2482, 0.3066



87.4659, 0.3299, 0.2906

Complementary

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



87.4659, 0.3610, 0.3901



55.5200, 0.2624, 0.2594

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.



87.4659, 0.2938, 0.2746



87.4659, 0.3610, 0.3901



87.4659, 0.2484, 0.2819

Square

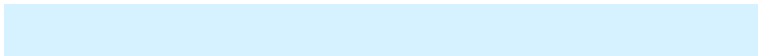
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4659, 0.3610, 0.3901



87.4659, 0.2641, 0.3402



87.4659, 0.2645, 0.2710



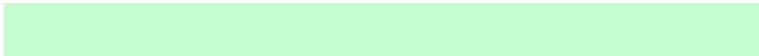
87.4659, 0.3628, 0.3158

Rectangle

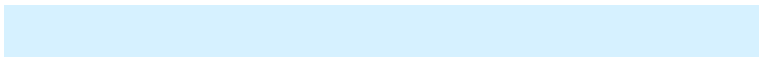
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4659, 0.3610, 0.3901



87.4659, 0.3047, 0.3807



87.4659, 0.2645, 0.2710



87.4659, 0.3177, 0.2841

Sweetspot

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



87.4655, 0.3610, 0.3901



95.9049, 0.3266, 0.3472



57.8521, 0.3654, 0.3135



20.3906, 0.3289, 0.3502



0.0000, 0.0000, 0.0000



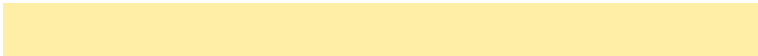
21.4041, 0.3127, 0.3290

Same Dimension

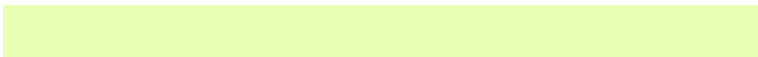
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4655, 0.3610, 0.3901



85.3470, 0.3709, 0.4018



92.0569, 0.3421, 0.4066



20.4799, 0.3274, 0.3482



34.7298, 0.4568, 0.4755



3.5238, 0.4517, 0.4795

Inverse Universe

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



55.5200, 0.2624, 0.2594



48.9271, 0.2516, 0.2436



52.4997, 0.2764, 0.2465



17.9264, 0.2979, 0.3091



5.0172, 0.1548, 0.0773



0.6280, 0.1600, 0.0958

Previews

White Background



This preview shows how the Yxy color 87.4659, 0.3610, 0.3901 looks on a white background.

Color Contrast Check

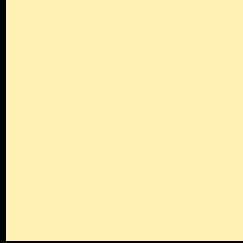
Large Text (above 18pt) WCAG AA × Fail

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 87.4659, 0.3610, 0.3901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

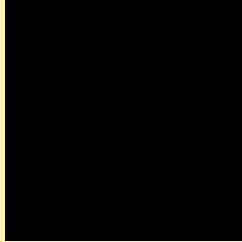
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.4659, 0.3610, 0.3901

Background



This preview shows how black text looks on a background with the Yxy color 87.4659, 0.3610, 0.3901.

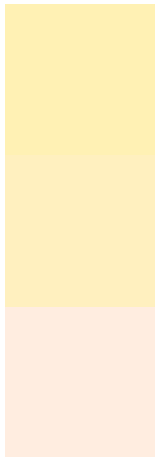


This preview shows how white text looks on a background with the Yxy color 87.4659, 0.3610, 0.3901.

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

87.4659, 0.3610, 0.3901

Protanopia

87.3418, 0.3542, 0.3781

Deuteranopia

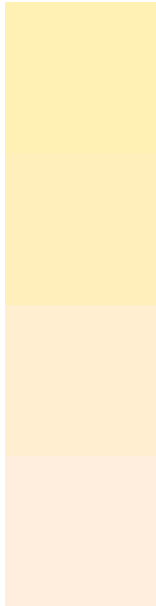
87.2102, 0.3332, 0.3419



Tritanopia

87.3305, 0.3192, 0.3183

Trichromacy



Original Color

87.4659, 0.3610, 0.3901

Protanomaly

87.1680, 0.3567, 0.3822

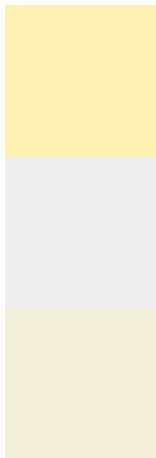
Deuteranomaly

86.9631, 0.3435, 0.3590

Tritanomaly

87.1023, 0.3345, 0.3439

Monochromacy



Original Color

87.4659, 0.3610, 0.3901

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.9759, 0.3298, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4659, 0.3610, 0.3901 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 180) }
```

Border

The CSS property to change the border of an element to Yxy 87.4659, 0.3610, 0.3901 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, 180) }
```

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

```
.border{ border-color:rgb(255, 241, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4659, 0.3610, 0.3901 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, 180) }
```

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

```
.background{ background-color: rgb(255,  
241, 180) }
```

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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