

# Converting Colors

$Yxy(92.3174, 0.3746, 0.3777)$

Have a look what the booklet for  
Yxy(92.3174, 0.3746, 0.3777)  
contains.

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# **Color**

**Yxy(87.2110, 0.3561, 0.3812)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF0BC
RGB	255, 240, 188
RGB Percent	100%, 94%, 74%
CMY	0.0001, 0.0588, 0.2628
CMYK	0.00, 0.06, 0.26, 0.00
HSL	47°, 100%, 87%
HSV	47°, 26%, 100%
XYZ	81.4686, 87.2110, 60.1006
YIQ	238.5570, 25.6320, -12.9920

# Conversions

## Conversions Part 2

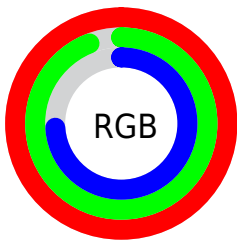
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 255, 188
Decimal	16773308
CIE Lab	94.83, -2.75, 27.02
CIE LCh	95, 27.162, 95.809
Yxy	87.2110, 0.3561, 0.3812
Android (android.graphics.Color)	4294963388 (0xFFFFF0BC)
YUV	238.5570, -24.9246, 14.4205
Hunter-Lab	93.3868, -7.7075, 27.2138

# Details

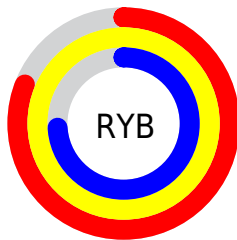
The Yxy color **87.2110, 0.3561, 0.3812** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.5883, 0.2686, 0.2707**, and the grayscale version is **86.1355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **48.0080, 0.3660, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **82.9105, 0.3743, 0.4014**, and if you desaturate by 10%, it is **91.8188, 0.3387, 0.3609**.

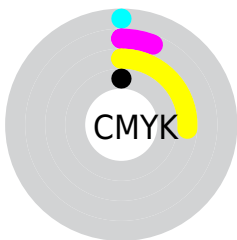
# Distribution



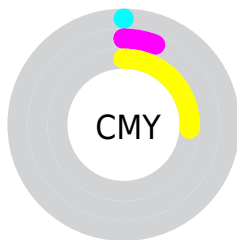
- Red (100%)
- Green (94%)
- Blue (74%)



- Red (81%)
- Yellow (100%)
- Blue (74%)



- Cyan (0%)
- Magenta (6%)
- Yellow (26%)
- Black (0%)




- Cyan (0%)
- Magenta (6%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2110, 0.3561, 0.3812 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 87.2110, 0.3561, 0.3812 by changing the saturation by 10% instead.



 87.2110, 0.3561,  
0.3812

 87.2110, 0.3561,  
0.3812

518.9160, 0.3369,  
0.3578

 65.6698, 0.3603,  
0.3863

 143.4582, 0.3496,  
0.3733

 48.0044, 0.3653,  
0.3926


178.9330, 0.3470,  
0.3701

 33.8304, 0.3715,  
0.4002


219.8212, 0.3448,  
0.3674

 22.7633, 0.3792,  
0.4100

266.5071, 0.3428,  
0.3650

 14.4189, 0.3892,  
0.4226

319.3751, 0.3411,  
0.3629

 8.4126, 0.4022,  
0.4395


378.8097, 0.3395,

 4.3601, 0.4195,


0.3610


0.4627


445.1952, 0.3381,  
0.3593


 1.8769, 0.4717,  
0.5283


 0.5345, 0.4520,  
0.5480


 87.2110, 0.3561,  
0.3812


 87.2110, 0.3561,  
0.3812

 82.9105, 0.3743,  
0.4014

 91.8188, 0.3387,  
0.3609

 78.8944, 0.3927,  
0.4206

 96.7325, 0.3223,  
0.3410

 75.1544, 0.4108,  
0.4379

99.9958, 0.3127,  
0.3290

 71.6773, 0.4276,  
0.4521

■ 68.4480, 0.4424,  
0.4624

■ 65.4490, 0.4544,  
0.4679

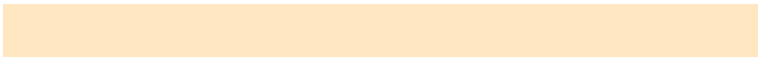
■ 62.6590, 0.4634,  
0.4685

■ 61.6625, 0.4663,  
0.4680

# Harmonies

## Analogous

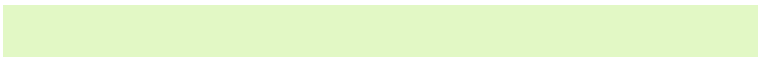
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2110, 0.3722, 0.3655



87.2110, 0.3561, 0.3812



87.2110, 0.3287, 0.3827

# Triad

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



87.2110, 0.3561, 0.3812



87.2110, 0.2571, 0.3117



87.2110, 0.3257, 0.2944

# Complementary

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



87.2110, 0.3561, 0.3812



60.5883, 0.2686, 0.2707

# 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.



87.2110, 0.2946, 0.2810



87.2110, 0.3561, 0.3812



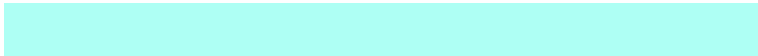
87.2110, 0.2563, 0.2894

# Square

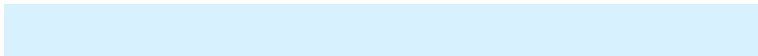
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.2110, 0.3561, 0.3812



87.2110, 0.2720, 0.3408



87.2110, 0.2696, 0.2789



87.2110, 0.3544, 0.3161

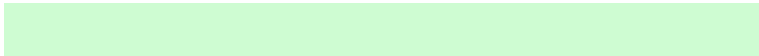


# Rectangle

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



87.2110, 0.3561, 0.3812



87.2110, 0.3080, 0.3744



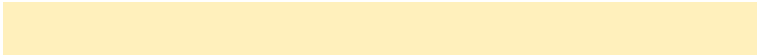
87.2110, 0.2696, 0.2789



87.2110, 0.3151, 0.2888

# Sweetspot

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



87.2149, 0.3561, 0.3812



95.8829, 0.3251, 0.3444



61.5519, 0.3562, 0.3130



20.3621, 0.3275, 0.3473



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

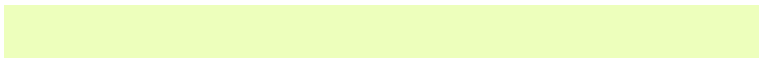
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2149, 0.3561, 0.3812



84.7328, 0.3664, 0.3928



93.1591, 0.3406, 0.3976



20.3621, 0.3275, 0.3473



32.4594, 0.4653, 0.4687



3.3215, 0.4590, 0.4738



# Inverse Universe

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



60.5883, 0.2686, 0.2707



53.6832, 0.2579, 0.2557



56.2730, 0.2793, 0.2559



18.0355, 0.2979, 0.3100



5.4791, 0.1565, 0.0834



0.6878, 0.1621, 0.1033



# Previews

## White Background



This preview shows how the Yxy color 87.2110, 0.3561, 0.3812 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

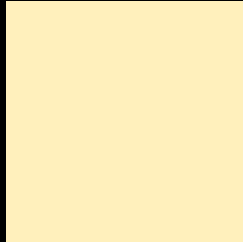
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.2110, 0.3561, 0.3812 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

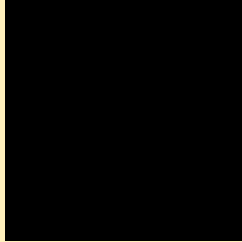
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.2110, 0.3561, 0.3812**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.2110, 0.3561, 0.3812.



This preview shows how white text looks on a background with the Yxy color 87.2110, 0.3561, 0.3812.

# 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

87.2110, 0.3561, 0.3812

### Protanopia

87.3418, 0.3542, 0.3781

### Deuteranopia

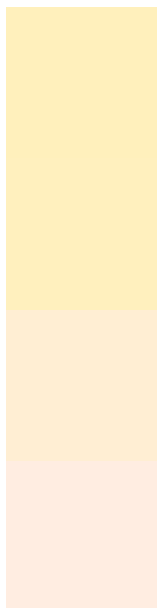
87.2102, 0.3332, 0.3419



## Tritanopia

87.3305, 0.3192, 0.3183

# Trichromacy



## Original Color

87.2110, 0.3561, 0.3812

## Protanomaly

87.2979, 0.3548, 0.3791

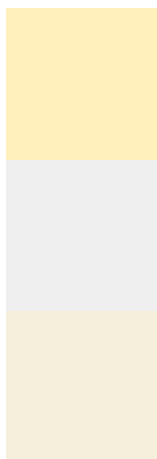
## Deuteranomaly

87.1122, 0.3415, 0.3560

## Tritanomaly

87.2646, 0.3325, 0.3409

# Monochromacy



## Original Color

87.2110, 0.3561, 0.3812

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.3128, 0.3286, 0.3483

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.2110, 0.3561, 0.3812 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, 240, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 188)  
}
```

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, 240, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 87.2110, 0.3561, 0.3812 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, 240, 188) }
```

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

```
.border{ border-color:rgb(255, 240, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.2110, 0.3561, 0.3812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 188) }
```

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

```
.background{ background-color: rgb(255,  
240, 188) }
```

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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