

# Converting Colors

$Y_{xy}(82.5760, 0.3738, 0.3997)$

Have a look what the booklet for  
Yxy(82.5760, 0.3738, 0.3997)  
contains.

<b>Yxy(82.7860, 0.3734, 0.3996)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(82.7860, 0.3734, 0.3996)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEAA4
RGB	255, 234, 164
RGB Percent	100%, 92%, 64%
CMY	0.0001, 0.0823, 0.3568
CMYK	0.00, 0.08, 0.36, 0.00
HSL	46°, 100%, 82%
HSV	46°, 36%, 100%
XYZ	77.3581, 82.7860, 47.0281
YIQ	232.2990, 34.9860, -17.3180

# Conversions

## Conversions Part 2

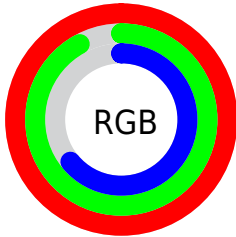
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 255, 164
Decimal	16771748
CIE <sub>Lab</sub>	92.92, -2.66, 36.61
CIE <sub>LCh</sub>	93, 36.710, 94.148
Yxy	82.7860, 0.3734, 0.3996
Android (android.graphics.Color)	4294961828 (0xFFFFEAA4)
YUV	232.2990, -33.6714, 19.9088
Hunter-Lab	90.9868, -7.4641, 33.0457

# Details

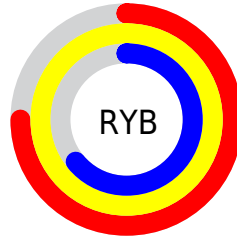
The Yxy color **82.7860, 0.3734, 0.3996** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **49.7995, 0.2510, 0.2465**, and the grayscale version is **81.1702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9473, 0.3333, 0.3631**, and **44.8588, 0.3866, 0.4147** is the 20% darker color. If you saturate the color by 10%, you get **78.6681, 0.3920, 0.4188**, and if you desaturate by 10%, it is **87.2072, 0.3551, 0.3795**.

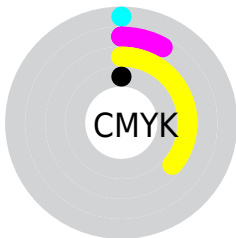
# Distribution



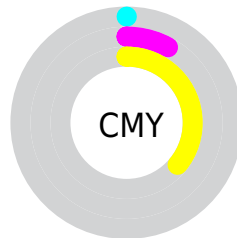
- Red (100%)
- Green (92%)
- Blue (64%)



- Red (75%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (8%)
- Yellow (36%)
- Black (0%)




- Cyan (0%)
- Magenta (8%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7860, 0.3734, 0.3996 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 82.7860, 0.3734, 0.3996 by changing the saturation by 10% instead.



 82.7860, 0.3734,  
0.3996


 82.7860, 0.3734,  
0.3996


504.2730, 0.3465,  
0.3680

 62.0136, 0.3792,  
0.4065

 137.2757, 0.3644,  
0.3889

 45.0437, 0.3861,  
0.4148


 171.7618, 0.3607,  
0.3846

 31.4919, 0.3945,  
0.4249


211.5880, 0.3576,  
0.3809

 20.9737, 0.4048,  
0.4375

257.1385, 0.3548,  
0.3777

 13.1048, 0.4175,  
0.4533

308.7979, 0.3524,  
0.3748

 7.5007, 0.4332,  
0.4734

366.9506, 0.3502,

 3.7772, 0.4623,

0.3723

0.5103

431.9808, 0.3483,  
0.3700

■ 1.5497, 0.4712,  
0.5288

■ 0.3233, 0.4286,  
0.5714

■ 82.7860, 0.3734,  
0.3996

■ 82.7860, 0.3734,  
0.3996

■ 78.6681, 0.3920,  
0.4188

■ 87.2072, 0.3551,  
0.3795

■ 74.8298, 0.4103,  
0.4361

■ 91.9315, 0.3377,  
0.3594

■ 71.2617, 0.4275,  
0.4504

■ 96.9731, 0.3214,  
0.3398

■ 67.9487, 0.4427,  
0.4608

99.9957, 0.3127,  
0.3290

■ 64.8736, 0.4552,  
0.4665

■ 62.0150, 0.4646,  
0.4673

■ 60.8332, 0.4680,  
0.4666

# Harmonies

## Analogous

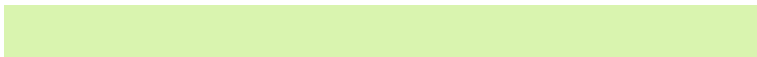
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7860, 0.3951, 0.3759



82.7860, 0.3734, 0.3996



82.7860, 0.3361, 0.4045

# Triad

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



82.7860, 0.3734, 0.3996



82.7860, 0.2381, 0.3062



82.7860, 0.3277, 0.2811

# Complementary

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



82.7860, 0.3734, 0.3996



49.7995, 0.2510, 0.2465

# 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.



82.7860, 0.2854, 0.2640



82.7860, 0.3734, 0.3996



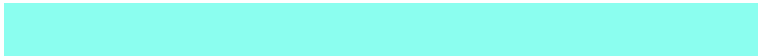
82.7860, 0.2362, 0.2757

# Square

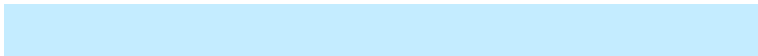
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7860, 0.3734, 0.3996



82.7860, 0.2586, 0.3471



82.7860, 0.2528, 0.2615



82.7860, 0.3682, 0.3092

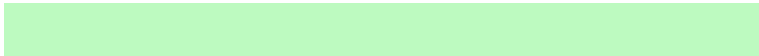


# Rectangle

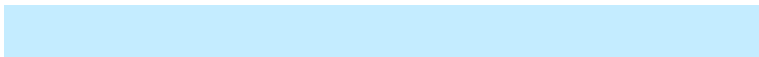
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.7860, 0.3734, 0.3996



82.7860, 0.3078, 0.3942



82.7860, 0.2528, 0.2615



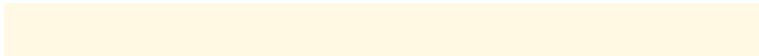
82.7860, 0.3131, 0.2740

# Sweetspot

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



82.7898, 0.3734, 0.3996



94.2680, 0.3299, 0.3501



51.3233, 0.3785, 0.3069



20.0318, 0.3321, 0.3528



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

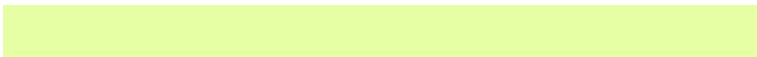
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7898, 0.3734, 0.3996



79.7589, 0.3870, 0.4138



91.1286, 0.3500, 0.4235



20.3391, 0.3275, 0.3472



32.0308, 0.4671, 0.4674



3.2831, 0.4605, 0.4726



# Inverse Universe

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



49.7995, 0.2510, 0.2465



42.2539, 0.2368, 0.2260



44.4988, 0.2645, 0.2258



18.0569, 0.2979, 0.3101



5.5795, 0.1569, 0.0847



0.7003, 0.1625, 0.1049



# Previews

## White Background



This preview shows how the Yxy color 82.7860, 0.3734, 0.3996 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

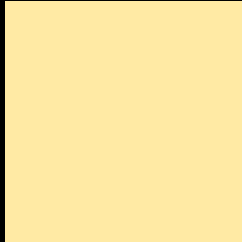
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.7860, 0.3734, 0.3996 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

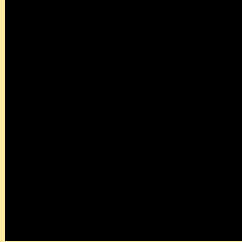
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.7860, 0.3734, 0.3996**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.7860, 0.3734, 0.3996.



This preview shows how white text looks on a background with the Yxy color 82.7860, 0.3734, 0.3996.

# 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

82.7860, 0.3734, 0.3996

### Protanopia

82.9796, 0.3716, 0.4009

### Deuteranopia

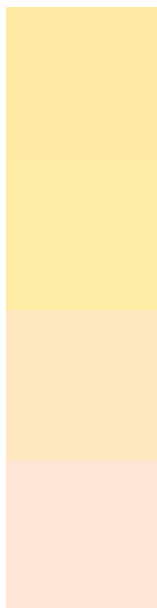
83.0153, 0.3440, 0.3512



## Tritanopia

82.9788, 0.3243, 0.3182

# Trichromacy



## Original Color

82.7860, 0.3734, 0.3996

## Protanomaly

83.1678, 0.3724, 0.4007

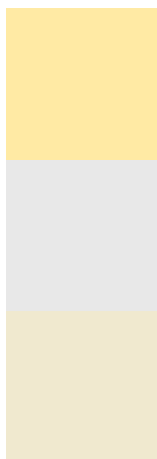
## Deuteranomaly

82.8235, 0.3547, 0.3685

## Tritanomaly

82.6071, 0.3421, 0.3471

# Monochromacy



## Original Color

82.7860, 0.3734, 0.3996

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

81.3081, 0.3343, 0.3561

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.7860, 0.3734, 0.3996 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, 234, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 164)  
}
```

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, 234, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 82.7860, 0.3734, 0.3996 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, 234, 164) }
```

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

```
.border{ border-color:rgb(255, 234, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.7860, 0.3734, 0.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 164) }
```

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

```
.background{ background-color: rgb(255,  
234, 164) }
```

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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