

# Converting Colors

$Yxy(81.8509, 0.3621, 0.3988)$

Have a look what the booklet for  
Yxy(81.8509, 0.3621, 0.3988)  
contains.

<b>Yxy(82.0512, 0.3621, 0.3995)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(82.0512, 0.3621, 0.3995)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4ECA8
RGB	244, 236, 168
RGB Percent	96%, 93%, 66%
CMY	0.0432, 0.0745, 0.3412
CMYK	0.00, 0.03, 0.31, 0.04
HSL	54°, 78%, 81%
HSV	54°, 31%, 96%
XYZ	74.3698, 82.0512, 48.9637
YIQ	230.6400, 26.5960, -19.4520

# Conversions

## Conversions Part 2

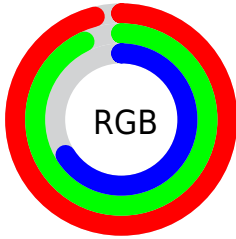
Format	Color
<a href="#">RYB</a>	<a href="#">177, 244, 168</a>
Decimal	<a href="#">16051368</a>
CIELab	<a href="#">92.60, -7.35, 34.01</a>
CIELCh	<a href="#">93, 34.796, 102.198</a>
Yxy	<a href="#">82.0512, 0.3621, 0.3995</a>
Android (android.graphics.Color)	<a href="#">4294241448</a> ( <a href="#">0xFFF4ECA8</a> )
YUV	<a href="#">230.6400, -30.8815, 11.7167</a>
Hunter-Lab	<a href="#">90.5821, -11.9665, 31.3586</a>

# Details

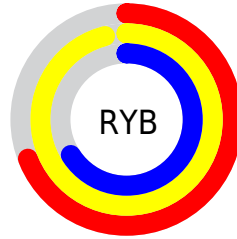
The Yxy color **82.0512, 0.3621, 0.3995** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **45.9021, 0.2583, 0.2470**, and the grayscale version is **79.8502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **44.4451, 0.3728, 0.4152** is the 20% darker color. If you saturate the color by 10%, you get **79.7633, 0.3783, 0.4216**, and if you desaturate by 10%, it is **84.5383, 0.3457, 0.3766**.

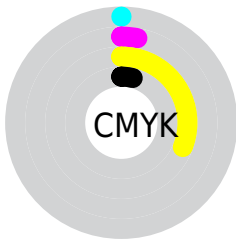
# Distribution



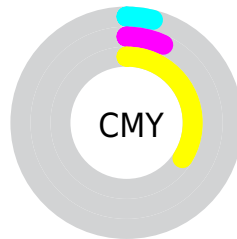
- Red (96%)
- Green (93%)
- Blue (66%)



- Red (69%)
- Yellow (96%)
- Blue (66%)



- Cyan (0%)
- Magenta (3%)
- Yellow (31%)
- Black (4%)




- Cyan (4%)
- Magenta (7%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0512, 0.3621, 0.3995 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 82.0512, 0.3621, 0.3995 by changing the saturation by 10% instead.




 82.0512, 0.3621,  
0.3995

 82.0512, 0.3621,  
0.3995


501.8189, 0.3403,  
0.3674

 61.4077, 0.3668,  
0.4066


 136.2458, 0.3548,  
0.3885

 44.5543, 0.3723,  
0.4153


 170.5657, 0.3519,  
0.3842

 31.1065, 0.3791,  
0.4260


210.2133, 0.3493,  
0.3805

 20.6800, 0.3874,  
0.4396

255.5728, 0.3471,  
0.3772

 12.8903, 0.3976,  
0.4571

307.0288, 0.3451,  
0.3743

 7.3530, 0.4101,  
0.4803

364.9655, 0.3433,

 3.6838, 0.4314,

0.3718

0.5198

429.7674, 0.3417,  
0.3695

■ 1.4983, 0.4414,  
0.5586

■ 0.2876, 0.2460,  
0.7540

■ 82.0512, 0.3621,  
0.3995

■ 82.0512, 0.3621,  
0.3995

■ 79.7633, 0.3783,  
0.4216

■ 84.5383, 0.3457,  
0.3766

■ 77.6539, 0.3938,  
0.4420


■ 87.2224, 0.3297,  
0.3537

■ 75.7160, 0.4078,  
0.4595


■ 90.1156, 0.3144,  
0.3315

■ 73.9379, 0.4198,  
0.4734

■ 92.5238, 0.3061,  
0.3205

 72.3059, 0.4291,  
0.4830


 94.0965, 0.3061,  
0.3230

 70.8039, 0.4356,  
0.4880

 95.6908, 0.3060,  
0.3255

 69.5593, 0.4394,  
0.4893

 97.3068, 0.3060,  
0.3280

 97.9719, 0.3060,  
0.3290

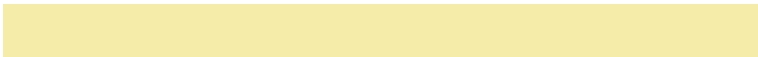
# Harmonies

## Analogous

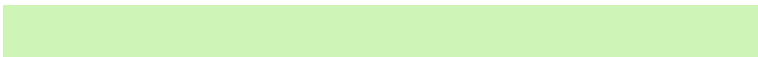
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0512, 0.3875, 0.3811



82.0512, 0.3621, 0.3995



82.0512, 0.3243, 0.3979

# Triad

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



82.0512, 0.3621, 0.3995



82.0512, 0.2393, 0.2984



82.0512, 0.3380, 0.2897

# Complementary

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



82.0512, 0.3621, 0.3995



45.9021, 0.2583, 0.2470

# 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.



82.0512, 0.2970, 0.2700



82.0512, 0.3621, 0.3995



82.0512, 0.2422, 0.2731

# Square

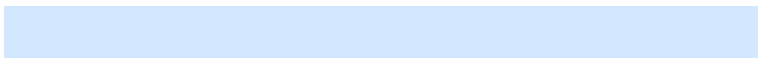
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.0512, 0.3621, 0.3995



82.0512, 0.2543, 0.3355



82.0512, 0.2626, 0.2637



82.0512, 0.3738, 0.3186

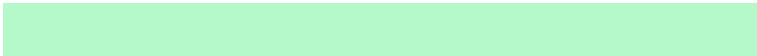


# Rectangle

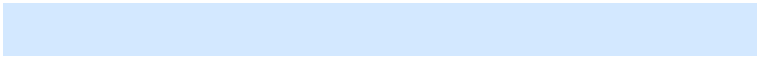
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.0512, 0.3621, 0.3995



82.0512, 0.2976, 0.3839



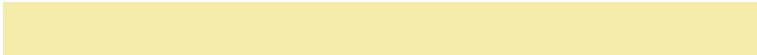
82.0512, 0.2626, 0.2637



82.0512, 0.3243, 0.2819

# Sweetspot

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



82.0549, 0.3621, 0.3995



97.0801, 0.3264, 0.3489



50.4072, 0.3754, 0.3195



20.6819, 0.3287, 0.3522



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

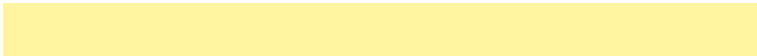


# Same Dimension

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



82.0549, 0.3621, 0.3995



89.1778, 0.3718, 0.4128



81.9509, 0.3393, 0.4125



18.9986, 0.3271, 0.3500



37.9454, 0.4391, 0.4896



3.4189, 0.4363, 0.4918



# Inverse Universe

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



45.9021, 0.2583, 0.2470



43.7221, 0.2463, 0.2284



46.4257, 0.2787, 0.2424



16.2068, 0.2979, 0.3071



4.0365, 0.1520, 0.0673

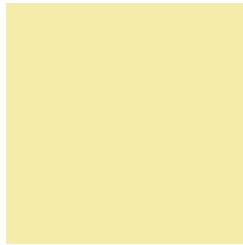


0.4459, 0.1562, 0.0822



# Previews

## White Background



This preview shows how the Yxy color 82.0512, 0.3621, 0.3995 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

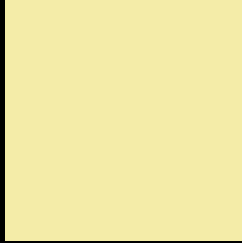
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.0512, 0.3621, 0.3995 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

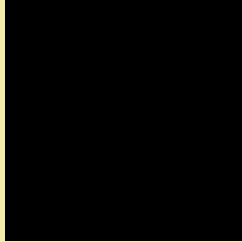
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

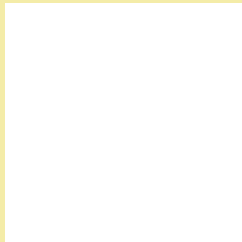
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.0512, 0.3621, 0.3995**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.0512, 0.3621, 0.3995.



This preview shows how white text looks on a background with the Yxy color 82.0512, 0.3621, 0.3995.

# 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

82.0512, 0.3621, 0.3995

### Protanopia

81.7633, 0.3696, 0.3962

### Deuteranopia

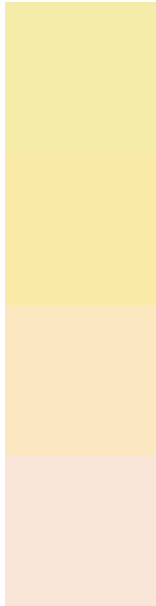
81.8036, 0.3457, 0.3512



## Tritanopia

81.8070, 0.3198, 0.3113

# Trichromacy



## Original Color

82.0512, 0.3621, 0.3995

## Protanomaly

81.7754, 0.3670, 0.3977

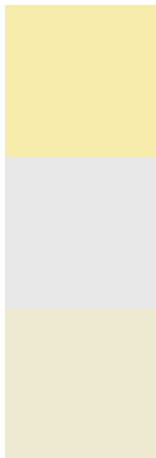
## Deuteranomaly

82.0727, 0.3517, 0.3689

## Tritanomaly

81.8755, 0.3359, 0.3432

# Monochromacy



## Original Color

82.0512, 0.3621, 0.3995

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

80.6648, 0.3308, 0.3552

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.0512, 0.3621, 0.3995 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(244, 236, 168)` looks like.

```
.text, #text, p{  
    color:rgb(244, 236, 168)  
}
```

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(244, 236, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 236, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 82.0512, 0.3621, 0.3995 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(244, 236, 168) }
```

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

```
.border{ border-color:rgb(244, 236, 168) }
```

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

Here you see how a box with a 4 pixel rgb(244, 236, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 236, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 236, 168);  
box-shadow:4px 4px 4px 4px rgb(244, 236,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.0512, 0.3621, 0.3995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 236, 168) }
```

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

```
.background{ background-color: rgb(244,  
236, 168) }
```

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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