

# Converting Colors

$Y_{xy}(79.4476, 0.3742, 0.4203)$

Have a look what the booklet for  
Yxy(79.4476, 0.3742, 0.4203)  
contains.

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# **Color**

**Yxy(79.6217, 0.3744, 0.4205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1EA92
RGB	241, 234, 146
RGB Percent	95%, 92%, 57%
CMY	0.0548, 0.0824, 0.4273
CMYK	0.00, 0.03, 0.39, 0.05
HSL	56°, 77%, 76%
HSV	56°, 39%, 95%
XYZ	70.8927, 79.6217, 38.8357
YIQ	226.0610, 32.4200, -25.8840

# Conversions

## Conversions Part 2

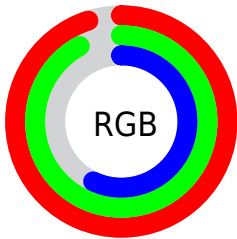
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 241, 146
Decimal	15854226
CIELab	91.51, -9.98, 43.53
CIELCh	92, 44.664, 102.913
Yxy	79.6217, 0.3744, 0.4205
Android (android.graphics.Color)	4294044306 (0xFFFF1EA92)
YUV	226.0610, -39.4701, 13.1015
Hunter-Lab	89.2310, -14.3387, 36.6571

# Details

The Yxy color **79.6217, 0.3744, 0.4205** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.2621, 0.2410, 0.2172**, and the grayscale version is **76.3782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9970, 0.3448, 0.3820**, and **42.7162, 0.3861, 0.4402** is the 20% darker color. If you saturate the color by 10%, you get **77.9436, 0.3894, 0.4417**, and if you desaturate by 10%, it is **81.4754, 0.3586, 0.3976**.

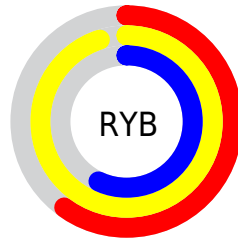
# Distribution



Red (95%)

Green (92%)

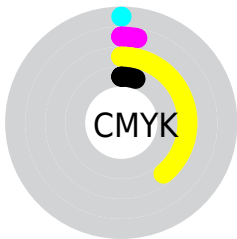
Blue (57%)



Red (60%)

Yellow (95%)

Blue (57%)

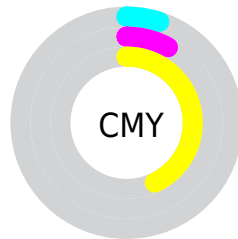


Cyan (0%)

Magenta (3%)

Yellow (39%)

Black (5%)



Cyan (5%)

Magenta (8%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.6217, 0.3744, 0.4205 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 79.6217, 0.3744, 0.4205 by changing the saturation by 10% instead.





 79.6217, 0.3744,  
0.4205

 79.6217, 0.3744,  
0.4205


493.6570, 0.3475,  
0.3788

 59.4071, 0.3800,  
0.4296


 132.8337, 0.3655,  
0.4063

 42.9409, 0.3865,  
0.4407


 166.6000, 0.3619,  
0.4007

 29.8388, 0.3942,  
0.4542


205.6522, 0.3588,  
0.3958

 19.7162, 0.4032,  
0.4710

250.3748, 0.3560,  
0.3916

 12.1889, 0.4134,  
0.4920

301.1522, 0.3535,  
0.3878

 6.8725, 0.4243,  
0.5187


358.3688, 0.3513,


 3.3825, 0.4398,


0.3845


0.5602


422.4089, 0.3493,  
0.3815

 1.3345, 0.4220,  
0.5780


 0.1677, 0.0000,  
1.0000


 79.6217, 0.3744,  
0.4205


 79.6217, 0.3744,  
0.4205


 77.9436, 0.3894,  
0.4417


 81.4754, 0.3586,  
0.3976


 76.4202, 0.4029,  
0.4602

 83.5029, 0.3426,  
0.3740

 75.0438, 0.4143,  
0.4751


 85.7163, 0.3269,  
0.3505

 73.8017, 0.4232,  
0.4858


 88.1237, 0.3119,  
0.3277


 72.6787, 0.4293,  
0.4920

 89.9669, 0.3043,  
0.3171


 71.6511, 0.4329,  
0.4942

 91.0373, 0.3043,  
0.3188

 71.5920, 0.4331,  
0.4943

 92.1181, 0.3043,  
0.3206

 93.2093, 0.3043,  
0.3224

 94.3109, 0.3042,  
0.3241

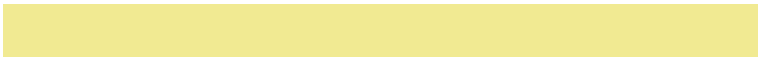
# Harmonies

## Analogous

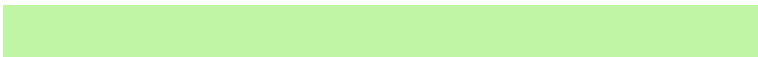
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.6217, 0.4085, 0.3953



79.6217, 0.3744, 0.4205



79.6217, 0.3253, 0.4195

# Triad

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



79.6217, 0.3744, 0.4205



79.6217, 0.2192, 0.2873



79.6217, 0.3463, 0.2797

# Complementary

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



79.6217, 0.3744, 0.4205



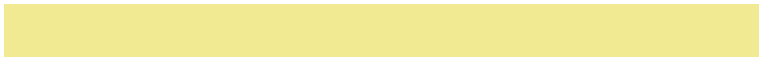
35.2621, 0.2410, 0.2172

# 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.



79.6217, 0.2932, 0.2549



79.6217, 0.3744, 0.4205



79.6217, 0.2236, 0.2564

# Square

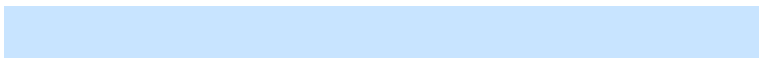
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.6217, 0.3744, 0.4205



79.6217, 0.2371, 0.3354



79.6217, 0.2493, 0.2461



79.6217, 0.3929, 0.3158

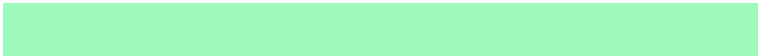


# Rectangle

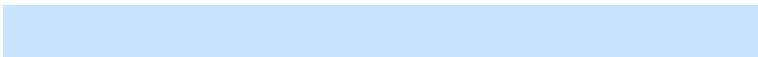
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.6217, 0.3744, 0.4205



79.6217, 0.2911, 0.4009



79.6217, 0.2493, 0.2461



79.6217, 0.3284, 0.2699

# Sweetspot

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



79.6253, 0.3744, 0.4205



96.7496, 0.3310, 0.3566



41.6008, 0.4036, 0.3205



20.6368, 0.3330, 0.3597



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

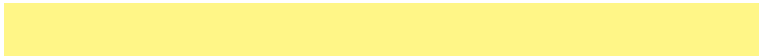


# Same Dimension

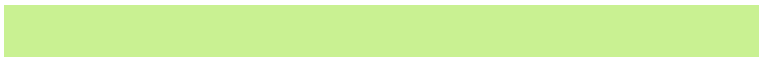
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.6253, 0.3744, 0.4205



89.0135, 0.3861, 0.4371



77.4754, 0.3433, 0.4370



18.2474, 0.3270, 0.3506



38.9037, 0.4329, 0.4945



3.2956, 0.4309, 0.4961



# Inverse Universe

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



35.2621, 0.2410, 0.2172



32.3313, 0.2248, 0.1911



37.3075, 0.2699, 0.2174



15.4162, 0.2979, 0.3064



3.7464, 0.1513, 0.0647

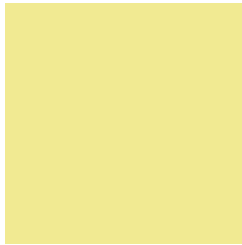


0.3765, 0.1546, 0.0765



# Previews

## White Background



This preview shows how the Yxy color 79.6217, 0.3744, 0.4205 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

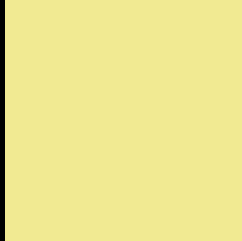
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.6217, 0.3744, 0.4205 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

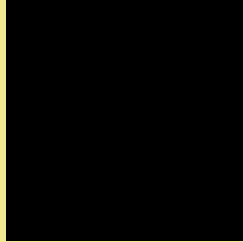
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.6217, 0.3744, 0.4205**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.6217, 0.3744, 0.4205.



This preview shows how white text looks on a background with the Yxy color 79.6217, 0.3744, 0.4205.

# 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

79.6217, 0.3744, 0.4205

### Protanopia

79.7054, 0.3837, 0.4163

### Deuteranopia

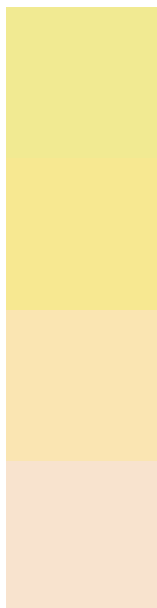
79.6382, 0.3539, 0.3595



## Tritanopia

79.7621, 0.3219, 0.3122

# Trichromacy



## Original Color

79.6217, 0.3744, 0.4205

## Protanomaly

79.5317, 0.3803, 0.4182

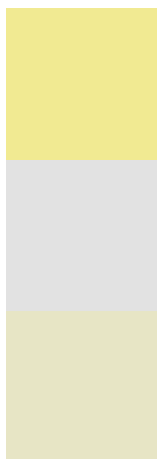
## Deuteranomaly

79.5770, 0.3619, 0.3816

## Tritanomaly

79.3509, 0.3417, 0.3506

# Monochromacy



## Original Color

79.6217, 0.3744, 0.4205

## Achromatopsia

76.0525, 0.3127, 0.3290

## Achromatomaly

77.0588, 0.3351, 0.3634

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.6217, 0.3744, 0.4205 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(241, 234, 146)` looks like.

```
.text, #text, p{  
    color:rgb(241, 234, 146)  
}
```

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(241, 234, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 234, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 79.6217, 0.3744, 0.4205 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(241, 234, 146) }
```

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

```
.border{ border-color:rgb(241, 234, 146) }
```

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

Here you see how a box with a 4 pixel rgb(241, 234, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 234, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 234, 146);  
box-shadow:4px 4px 4px 4px rgb(241, 234,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.6217, 0.3744, 0.4205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 234, 146) }
```

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

```
.background{ background-color: rgb(241,  
234, 146) }
```

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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