

# Converting Colors

$Y_{xy}(79.7588, 0.3802, 0.4027)$

Have a look what the booklet for  
Yxy(79.7588, 0.3802, 0.4027)  
contains.

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# Color

**Yxy(79.6989, 0.3804, 0.4029)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE59C
RGB	255, 229, 156
RGB Percent	100%, 90%, 61%
CMY	0.0002, 0.1019, 0.3883
CMYK	0.00, 0.10, 0.39, 0.00
HSL	44°, 100%, 81%
HSV	44°, 39%, 100%
XYZ	75.2481, 79.6989, 42.8661
YIQ	228.4520, 38.9290, -17.1910

# Conversions

## Conversions Part 2

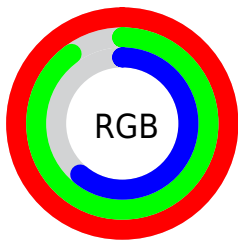
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	191, 255, 156
Decimal	16770460
CIE Lab	91.55, -1.03, 38.85
CIE LCh	92, 38.862, 91.517
Yxy	79.6989, 0.3804, 0.4029
Android (android.graphics.Color)	4294960540 (0xFFFFE59C)
YUV	228.4520, -35.7188, 23.2826
Hunter-Lab	89.2742, -5.7746, 34.0232

# Details

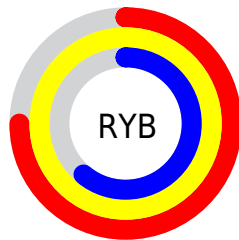
The Yxy color **79.6989, 0.3804, 0.4029** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.7122, 0.2455, 0.2417**, and the grayscale version is **78.1754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **43.1419, 0.3944, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **75.3002, 0.3997, 0.4210**, and if you desaturate by 10%, it is **84.4286, 0.3614, 0.3837**.

# Distribution



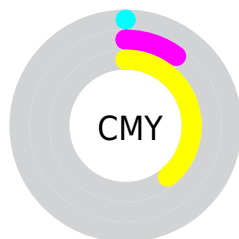
- Red (100%)
- Green (90%)
- Blue (61%)



- Red (75%)
- Yellow (100%)
- Blue (61%)



- Cyan (0%)
- Magenta (10%)
- Yellow (39%)
- Black (0%)




- Cyan (0%)
- Magenta (10%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.6989, 0.3804, 0.4029 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 79.6989, 0.3804, 0.4029 by changing the saturation by 10% instead.




 79.6989, 0.3804,  
0.4029


 79.6989, 0.3804,  
0.4029


493.9175, 0.3502,  
0.3698

 59.4706, 0.3869,  
0.4101

 132.9423, 0.3702,  
0.3917

 42.9921, 0.3947,  
0.4186


 166.7262, 0.3662,  
0.3873

 29.8789, 0.4041,  
0.4291


205.7975, 0.3627,  
0.3834

 19.7467, 0.4156,  
0.4419

250.5405, 0.3596,  
0.3800

 12.2110, 0.4298,  
0.4579

301.3396, 0.3568,  
0.3770

 6.8876, 0.4469,  
0.4774

358.5792, 0.3544,

 3.3919, 0.4825,

0.3743

0.5175

422.6437, 0.3522,  
0.3720

■ 1.3396, 0.4808,  
0.5192

■ 0.1715, 0.4457,  
0.5543

■ 79.6989, 0.3804,  
0.4029

■ 79.6989, 0.3804,  
0.4029

■ 75.3002, 0.3997,  
0.4210

■ 84.4286, 0.3614,  
0.3837

■ 71.2083, 0.4188,  
0.4370

■ 89.4903, 0.3433,  
0.3642

■ 67.4127, 0.4366,  
0.4497

■ 94.8987, 0.3264,  
0.3452

■ 63.8973, 0.4523,  
0.4581

99.9921, 0.3127,  
0.3290

■ 60.6430, 0.4651,  
0.4617

■ 57.6234, 0.4749,  
0.4605

■ 57.2775, 0.4760,  
0.4603

# Harmonies

## Analogous

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



79.6989, 0.4019, 0.3759



79.6989, 0.3804, 0.4029



79.6989, 0.3413, 0.4108

# Triad

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



79.6989, 0.3804, 0.4029



79.6989, 0.2343, 0.3079



79.6989, 0.3245, 0.2758

# Complementary

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



79.6989, 0.3804, 0.4029



47.7122, 0.2455, 0.2417

# 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.



79.6989, 0.2798, 0.2588



79.6989, 0.3804, 0.4029



79.6989, 0.2305, 0.2740

# Square

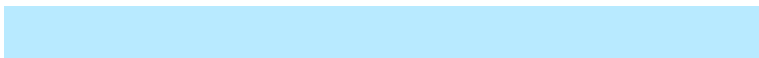
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.6989, 0.3804, 0.4029



79.6989, 0.2576, 0.3524



79.6989, 0.2464, 0.2575



79.6989, 0.3688, 0.3048

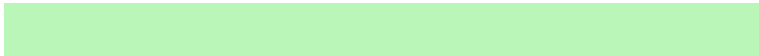


# Rectangle

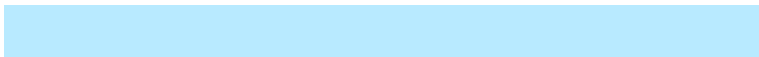
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.6989, 0.3804, 0.4029



79.6989, 0.3112, 0.4014



79.6989, 0.2464, 0.2575



79.6989, 0.3089, 0.2686

# Sweetspot

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



79.7026, 0.3804, 0.4029



93.1730, 0.3317, 0.3512



48.4202, 0.3836, 0.3015



19.7904, 0.3339, 0.3536



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

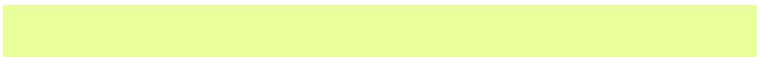
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7026, 0.3804, 0.4029



76.1043, 0.3962, 0.4178



91.0270, 0.3552, 0.4313



20.2376, 0.3276, 0.3464



30.1959, 0.4749, 0.4612



3.1180, 0.4671, 0.4673



# Inverse Universe

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



47.7122, 0.2455, 0.2417



39.8601, 0.2300, 0.2193



40.5860, 0.2569, 0.2148



18.1517, 0.2979, 0.3109



6.0644, 0.1586, 0.0909



0.7592, 0.1645, 0.1121



# Previews

## White Background



This preview shows how the Yxy color 79.6989, 0.3804, 0.4029 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

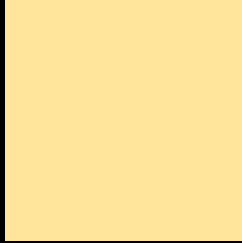
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.6989, 0.3804, 0.4029 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

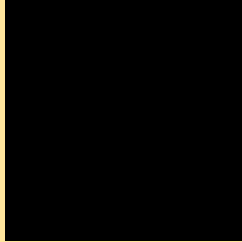
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.6989, 0.3804, 0.4029**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.6989, 0.3804, 0.4029.

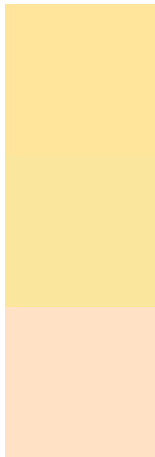


This preview shows how white text looks on a background with the Yxy color 79.6989, 0.3804, 0.4029.

# 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

79.6989, 0.3804, 0.4029

### Protanopia

79.9101, 0.3753, 0.4048

### Deuteranopia

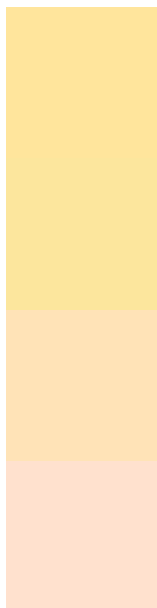
79.7299, 0.3525, 0.3575



## Tritanopia

79.5007, 0.3275, 0.3162

# Trichromacy



## Original Color

79.6989, 0.3804, 0.4029

## Protanomaly

79.7234, 0.3771, 0.4034

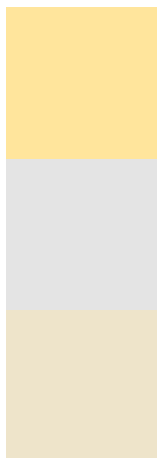
## Deuteranomaly

79.6171, 0.3628, 0.3738

## Tritanomaly

79.5667, 0.3472, 0.3483

# Monochromacy



## Original Color

79.6989, 0.3804, 0.4029

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

77.9282, 0.3369, 0.3564

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  79.6989, 0.3804, 0.4029 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, 229, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 156)  
}
```

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, 229, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 79.6989, 0.3804, 0.4029 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, 229, 156) }
```

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

```
.border{ border-color:rgb(255, 229, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.6989, 0.3804, 0.4029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 156) }
```

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

```
.background{ background-color: rgb(255,  
229, 156) }
```

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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