

# Converting Colors

Yxy(77.9390, 0.3804, 0.4168)

Have a look what the booklet for  
Yxy(77.9390, 0.3804, 0.4168)  
contains.

<b>Yxy(78.2308, 0.3803, 0.4166)</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(78.2308, 0.3803, 0.4166)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6E691
RGB	246, 230, 145
RGB Percent	96%, 90%, 57%
CMY	0.0353, 0.0980, 0.4312
CMYK	0.00, 0.06, 0.41, 0.04
HSL	50°, 85%, 77%
HSV	50°, 41%, 96%
XYZ	71.4142, 78.2308, 38.1389
YIQ	225.0940, 36.8210, -23.0430

# Conversions

## Conversions Part 2

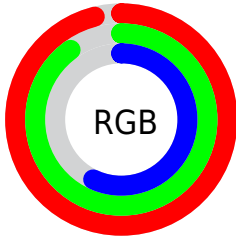
Format	Color
<a href="#">RYB</a>	164, 246, 145
Decimal	16180881
CIELab	90.89, -6.16, 43.30
CIELCh	91, 43.738, 98.093
Yxy	78.2308, 0.3803, 0.4166
Android (android.graphics.Color)	4294370961 (0xFFFF6E691)
YUV	225.0940, -39.4863, 18.3346
Hunter-Lab	88.4482, -10.6610, 36.3478

# Details

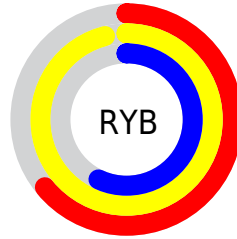
The Yxy color **78.2308, 0.3803, 0.4166** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.1755, 0.2393, 0.2224**, and the grayscale version is **75.6395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9501, 0.3454, 0.3830**, and **42.1416, 0.3935, 0.4359** is the 20% darker color. If you saturate the color by 10%, you get **75.4115, 0.3970, 0.4361**, and if you desaturate by 10%, it is **81.2701, 0.3631, 0.3955**.

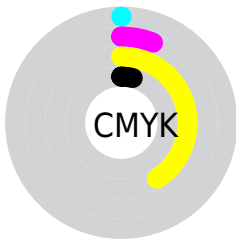
# Distribution



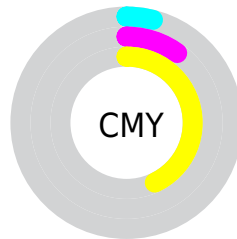
- Red (96%)
- Green (90%)
- Blue (57%)



- Red (64%)
- Yellow (96%)
- Blue (57%)



- Cyan (0%)
- Magenta (6%)
- Yellow (41%)
- Black (4%)




- Cyan (4%)
- Magenta (10%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2308, 0.3803, 0.4166 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 78.2308, 0.3803, 0.4166 by changing the saturation by 10% instead.




 78.2308, 0.3803,  
0.4166


 78.2308, 0.3803,  
0.4166


488.9503, 0.3505,  
0.3769

 58.2636, 0.3866,  
0.4252


 130.8754, 0.3704,  
0.4031

 42.0206, 0.3939,  
0.4356


 164.3216, 0.3664,  
0.3978

 29.1174, 0.4027,  
0.4483


203.0296, 0.3629,  
0.3932

 19.1697, 0.4132,  
0.4638

247.3838, 0.3598,  
0.3891

 11.7929, 0.4254,  
0.4830

297.7686, 0.3571,  
0.3855

 6.6028, 0.4394,  
0.5072


354.5683, 0.3547,


 3.2150, 0.4578,


0.3824


0.5422


418.1674, 0.3525,  
0.3795


 1.2450, 0.4466,  
0.5534

 0.0980, 0.0000,  
1.0000

 78.2308, 0.3803,  
0.4166


 78.2308, 0.3803,  
0.4166


 75.4115, 0.3970,  
0.4361


 81.2701, 0.3631,  
0.3955


 72.7903, 0.4126,  
0.4531

 84.5286, 0.3461,  
0.3737

 70.3586, 0.4263,  
0.4664

 88.0191, 0.3297,  
0.3521


 68.1023, 0.4374,  
0.4754


 91.7505, 0.3143,  
0.3311

 66.0046, 0.4457,  
0.4797

 94.8625, 0.3073,  
0.3236

 64.2359, 0.4509,  
0.4802

 97.3020, 0.3072,  
0.3274

 98.3316, 0.3072,  
0.3290

# Harmonies

## Analogous

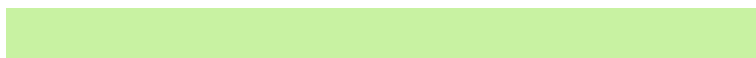
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2308, 0.4103, 0.3889



78.2308, 0.3803, 0.4166



78.2308, 0.3334, 0.4204

# Triad

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



78.2308, 0.3803, 0.4166



78.2308, 0.2219, 0.2947



78.2308, 0.3374, 0.2756

# Complementary

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



78.2308, 0.3803, 0.4166



38.1755, 0.2393, 0.2224

# 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.



78.2308, 0.2856, 0.2533



78.2308, 0.3803, 0.4166



78.2308, 0.2227, 0.2610

# Square

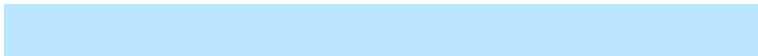
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.2308, 0.3803, 0.4166



78.2308, 0.2430, 0.3438



78.2308, 0.2448, 0.2475



78.2308, 0.3855, 0.3098

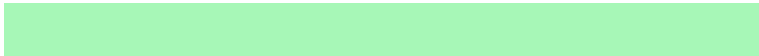


# Rectangle

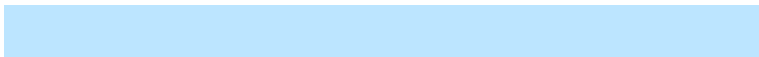
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.2308, 0.3803, 0.4166



78.2308, 0.2994, 0.4053



78.2308, 0.2448, 0.2475



78.2308, 0.3197, 0.2666

# Sweetspot

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



78.2344, 0.3803, 0.4166



95.1307, 0.3313, 0.3542



42.4582, 0.4002, 0.3110



20.2533, 0.3334, 0.3570



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

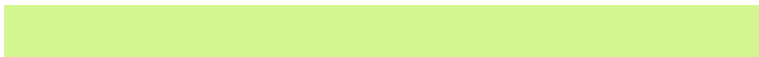
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.2344, 0.3803, 0.4166



82.4119, 0.3938, 0.4325



82.0010, 0.3502, 0.4397



18.8404, 0.3272, 0.3488



34.4609, 0.4503, 0.4806



3.1462, 0.4458, 0.4842



# Inverse Universe

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



38.1755, 0.2393, 0.2224



33.7304, 0.2231, 0.1973



36.4630, 0.2609, 0.2101



16.3504, 0.2979, 0.3084



4.4539, 0.1537, 0.0734

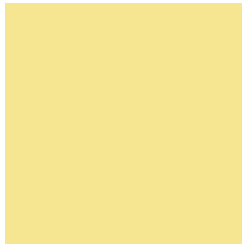


0.5138, 0.1591, 0.0928



# Previews

## White Background



This preview shows how the Yxy color 78.2308, 0.3803, 0.4166 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 78.2308, 0.3803, 0.4166 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

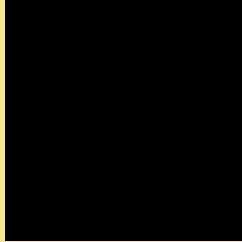
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.2308, 0.3803, 0.4166**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.2308, 0.3803, 0.4166.



This preview shows how white text looks on a background with the Yxy color 78.2308, 0.3803, 0.4166.

# 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

78.2308, 0.3803, 0.4166

### Protanopia

78.2227, 0.3830, 0.4150

### Deuteranopia

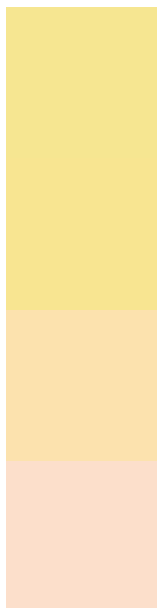
78.3329, 0.3579, 0.3627



## Tritanopia

77.9792, 0.3271, 0.3122

# Trichromacy



## Original Color

78.2308, 0.3803, 0.4166

## Protanomaly

78.0394, 0.3822, 0.4152

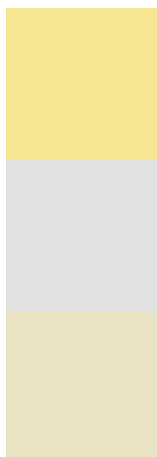
## Deuteranomaly

78.1442, 0.3670, 0.3825

## Tritanomaly

77.7826, 0.3474, 0.3495

# Monochromacy



## Original Color

78.2308, 0.3803, 0.4166

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

76.2473, 0.3375, 0.3623

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.2308, 0.3803, 0.4166 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(246, 230, 145)` looks like.

```
.text, #text, p{  
    color:rgb(246, 230, 145)  
}
```

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(246, 230, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 230, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 78.2308, 0.3803, 0.4166 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(246, 230, 145) }
```

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

```
.border{ border-color:rgb(246, 230, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 230, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 230, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 230, 145);  
box-shadow:4px 4px 4px 4px rgb(246, 230,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.2308, 0.3803, 0.4166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 230, 145) }
```

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

```
.background{ background-color: rgb(246,  
230, 145) }
```

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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