

# Converting Colors

$Y_{xy}(91.4693, 0.4452, 0.4178)$

Have a look what the booklet for  
Yxy(91.4693, 0.4452, 0.4178)  
contains.

<b>Yxy(78.6305, 0.4032, 0.4368)</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(78.6305, 0.4032, 0.4368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE577
RGB	255, 229, 119
RGB Percent	100%, 90%, 47%
CMY	0.0001, 0.1019, 0.5333
CMYK	0.00, 0.10, 0.53, 0.00
HSL	49°, 100%, 73%
HSV	49°, 53%, 100%
XYZ	72.5820, 78.6305, 28.8024
YIQ	224.2340, 50.8060, -28.6980

# Conversions

## Conversions Part 2

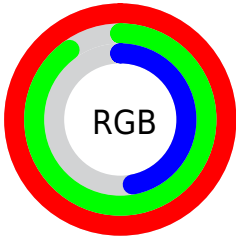
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	151, 255, 119
Decimal	16770423
CIE Lab	91.07, -4.48, 56.21
CIE LCh	91, 56.389, 94.554
Yxy	78.6305, 0.4032, 0.4368
Android (android.graphics.Color)	4294960503 (0xFFFFE577)
YUV	224.2340, -51.8804, 26.9818
Hunter-Lab	88.6738, -9.0720, 42.8135

# Details

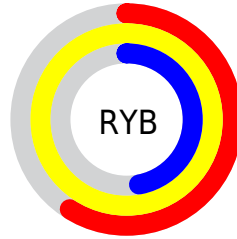
The Yxy color **78.6305, 0.4032, 0.4368** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.3774, 0.2156, 0.1891**, and the grayscale version is **75.0685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8360, 0.3608, 0.4086**, and **42.4012, 0.4200, 0.4580** is the 20% darker color. If you saturate the color by 10%, you get **75.4452, 0.4194, 0.4525**, and if you desaturate by 10%, it is **82.0631, 0.3858, 0.4183**.

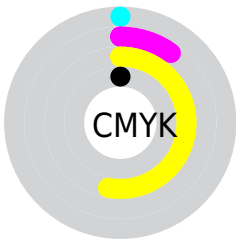
# Distribution



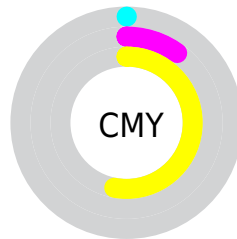
- Red (100%)
- Green (90%)
- Blue (47%)



- Red (59%)
- Yellow (100%)
- Blue (47%)



- Cyan (0%)
- Magenta (10%)
- Yellow (53%)
- Black (0%)




- Cyan (0%)
- Magenta (10%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6305, 0.4032, 0.4368 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 78.6305, 0.4032, 0.4368 by changing the saturation by 10% instead.




 78.6305, 0.4032,  
0.4368


 78.6305, 0.4032,  
0.4368


490.3054, 0.3642,  
0.3893

 58.5921, 0.4110,  
0.4466

 131.4386, 0.3905,  
0.4211

 42.2848, 0.4199,  
0.4580


 164.9770, 0.3853,  
0.4148

 29.3244, 0.4301,  
0.4713


 203.7841, 0.3807,  
0.4092

 19.3263, 0.4414,  
0.4867

248.2445, 0.3767,  
0.4043

 11.9063, 0.4531,  
0.5037

298.7424, 0.3731,  
0.3999

 6.6799, 0.4706,  
0.5294

355.6623, 0.3698,

 3.2627, 0.4660,

0.3960

0.5340

419.3885, 0.3669,  
0.3925

■ 1.2704, 0.4581,  
0.5419

■ 0.1181, 0.0245,  
0.9755

■ 78.6305, 0.4032,  
0.4368

■ 78.6305, 0.4032,  
0.4368

■ 75.4452, 0.4194,  
0.4525

■ 82.0631, 0.3858,  
0.4183

■ 72.4819, 0.4337,  
0.4645


■ 85.7444, 0.3680,  
0.3980


■ 69.7281, 0.4454,  
0.4719

■ 89.6895, 0.3505,  
0.3770

■ 67.1644, 0.4541,  
0.4745

■ 93.9091, 0.3336,  
0.3560

 65.5414, 0.4585,  
0.4742

 98.4130, 0.3177,  
0.3356

99.9952, 0.3127,  
0.3290

# Harmonies

## Analogous

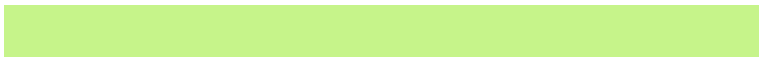
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6305, 0.4395, 0.3966



78.6305, 0.4032, 0.4368



78.6305, 0.3447, 0.4499

# Triad

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



78.6305, 0.4032, 0.4368



78.6305, 0.2004, 0.2899



78.6305, 0.3356, 0.2579

# Complementary

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



78.6305, 0.4032, 0.4368



31.3774, 0.2156, 0.1891

# 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.



78.6305, 0.2705, 0.2327



78.6305, 0.4032, 0.4368



78.6305, 0.1987, 0.2457

# Square

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



78.6305, 0.4032, 0.4368



78.6305, 0.2288, 0.3554



78.6305, 0.2226, 0.2275



78.6305, 0.4001, 0.2982

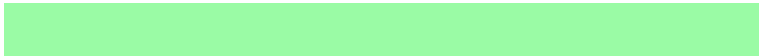


# Rectangle

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



78.6305, 0.4032, 0.4368



78.6305, 0.3016, 0.4347



78.6305, 0.2226, 0.2275



78.6305, 0.3128, 0.2476

# Sweetspot

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



78.6342, 0.4032, 0.4368



92.7759, 0.3380, 0.3616



36.5293, 0.4379, 0.3017



19.6703, 0.3415, 0.3659



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.



78.6342, 0.4032, 0.4368



75.2566, 0.4204, 0.4535



87.1592, 0.3619, 0.4717



20.4665, 0.3274, 0.3481



34.4646, 0.4577, 0.4748



3.5002, 0.4525, 0.4789



# Inverse Universe

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



31.3774, 0.2156, 0.1891



23.6401, 0.1958, 0.1568



27.8631, 0.2371, 0.1690



17.9388, 0.2979, 0.3092



5.0655, 0.1550, 0.0779



0.6344, 0.1602, 0.0966



# Previews

## White Background



This preview shows how the Yxy color 78.6305, 0.4032, 0.4368 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

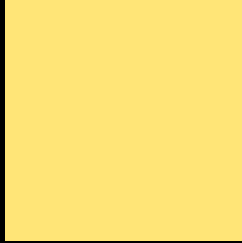
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.6305, 0.4032, 0.4368 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 78.6305, 0.4032, 0.4368**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.6305, 0.4032, 0.4368.



This preview shows how white text looks on a background with the Yxy color 78.6305, 0.4032, 0.4368.

# 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

78.6305, 0.4032, 0.4368

### Protanopia

78.8082, 0.4012, 0.4383

### Deuteranopia

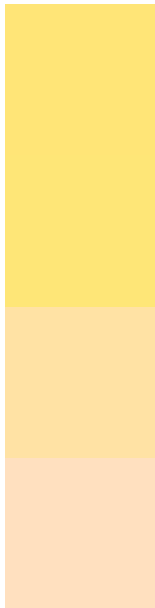
78.7846, 0.3591, 0.3657



## Tritanopia

78.7991, 0.3297, 0.3181

# Trichromacy



**Original Color**

78.6305, 0.4032, 0.4368

**Protanomaly**

78.9964, 0.4019, 0.4380

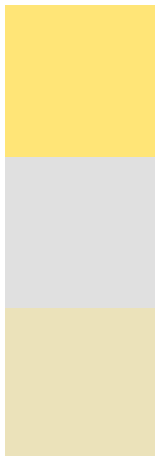
**Deuteranomaly**

78.3330, 0.3762, 0.3922

**Tritanomaly**

78.3329, 0.3579, 0.3627

# Monochromacy



**Original Color**

78.6305, 0.4032, 0.4368

**Achromatopsia**

74.5404, 0.3127, 0.3290

**Achromatomaly**

75.6001, 0.3460, 0.3719

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  78.6305, 0.4032, 0.4368 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, 119)` looks like.

```
.text, #text, p{  
  color:rgb(255, 229, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 78.6305, 0.4032, 0.4368 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, 119) }
```

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

```
.border{ border-color:rgb(255, 229, 119) }
```

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, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 229, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 229, 119); box-shadow:4px 4px 4px 4px rgb(255, 229, 119) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.6305, 0.4032, 0.4368 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, 119) }
```

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

```
.background{ background-color: rgb(255,  
229, 119) }
```

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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