

# Converting Colors

$Yxy(66.0167, 0.4502, 0.4270)$

Have a look what the booklet for  
Yxy(66.0167, 0.4502, 0.4270)  
contains.

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# Color

**Yxy(62.8622, 0.4380, 0.4332)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC75B
RGB	255, 199, 91
RGB Percent	100%, 78%, 36%
CMY	0.0000, 0.2196, 0.6430
CMYK	0.00, 0.22, 0.64, 0.00
HSL	40°, 100%, 68%
HSV	40°, 64%, 100%
XYZ	63.5587, 62.8622, 18.6903
YIQ	203.4320, 68.0440, -21.7160

# Conversions

## Conversions Part 2

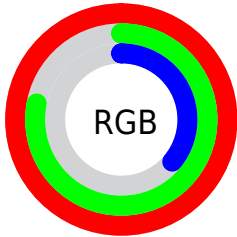
Format	Color
<a href="#">RYB</a>	<a href="#">176, 255, 91</a>
Decimal	<a href="#">16762715</a>
CIELab	<a href="#">83.37, 8.92, 60.18</a>
CIELCh	<a href="#">83, 60.833, 81.571</a>
Yxy	<a href="#">62.8622, 0.4380, 0.4332</a>
Android (android.graphics.Color)	<a href="#">4294952795</a> ( <a href="#">0xFFFFC75B</a> )
YUV	<a href="#">203.4320, -55.4290, 45.2251</a>
Hunter-Lab	<a href="#">79.2857, 4.3431, 41.5233</a>

# Details

The Yxy color **62.8622, 0.4380, 0.4332** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **30.3282, 0.2027, 0.1874**, and the grayscale version is **60.3315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8243, 0.3772, 0.4356**, and **31.9803, 0.4638, 0.4502** is the 20% darker color. If you saturate the color by 10%, you get **58.5993, 0.4581, 0.4423**, and if you desaturate by 10%, it is **67.5027, 0.4166, 0.4203**.

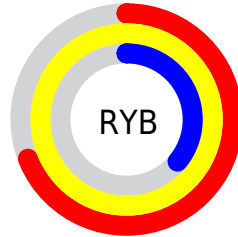
# Distribution



Red (100%)

Green (78%)

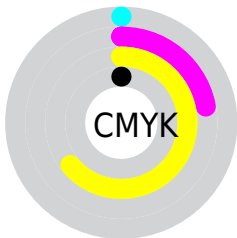
Blue (36%)



Red (69%)

Yellow (100%)

Blue (36%)

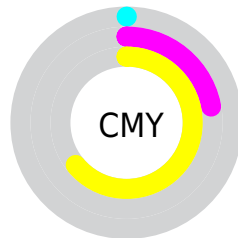


Cyan (0%)

Magenta (22%)

Yellow (64%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8622, 0.4380, 0.4332 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 62.8622, 0.4380, 0.4332 by changing the saturation by 10% instead.




 62.8622, 0.4380,  
0.4332

 62.8622, 0.4380,  
0.4332


435.0692, 0.3817,  
0.3887

 45.7297, 0.4496,  
0.4416

 108.9707, 0.4193,  
0.4190


 32.0326, 0.4629,  
0.4508


 138.7155, 0.4118,  
0.4131

 21.3864, 0.4780,  
0.4605


 173.4332, 0.4052,  
0.4078

 13.4067, 0.4946,  
0.4696

 213.5082, 0.3993,  
0.4031

 7.7092, 0.5181,  
0.4819

259.3249, 0.3941,  
0.3989

 3.9095, 0.5257,  
0.4743

311.2678, 0.3895,

 1.6230, 0.5383,

0.3952

0.4617

369.7210, 0.3854,  
0.3918

0.3731, 0.6054,  
0.3946

0.0000, 0.0000,  
0.0000

62.8622, 0.4380,  
0.4332

62.8622, 0.4380,  
0.4332

58.5993, 0.4581,  
0.4423

67.5027, 0.4166,  
0.4203

54.6963, 0.4758,  
0.4466

72.5400, 0.3950,  
0.4048

51.1292, 0.4903,  
0.4457

77.9894, 0.3740,  
0.3878

49.2280, 0.4973,  
0.4433

83.8652, 0.3542,  
0.3702

90.1811, 0.3359,  
0.3528

96.9496, 0.3193,  
0.3360

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



62.8622, 0.4650, 0.3796



62.8622, 0.4380, 0.4332



62.8622, 0.3788, 0.4681

# Triad

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



62.8622, 0.4380, 0.4332



62.8622, 0.1945, 0.3130



62.8622, 0.3044, 0.2334

# Complementary

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



62.8622, 0.4380, 0.4332



30.3282, 0.2027, 0.1874

# 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.



62.8622, 0.2371, 0.2141



62.8622, 0.4380, 0.4332



62.8622, 0.1804, 0.2504

# Square

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



62.8622, 0.4380, 0.4332



62.8622, 0.2384, 0.3951



62.8622, 0.1949, 0.2184



62.8622, 0.3834, 0.2719



# Rectangle

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



62.8622, 0.4380, 0.4332



62.8622, 0.3304, 0.4678



62.8622, 0.1949, 0.2184



62.8622, 0.2797, 0.2246

# Sweetspot

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



62.8615, 0.4380, 0.4332



87.1549, 0.3443, 0.3609



30.9013, 0.4466, 0.2740



18.2712, 0.3496, 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.



62.8615, 0.4380, 0.4332



57.5096, 0.4631, 0.4440



89.1664, 0.3848, 0.4873



19.9845, 0.3278, 0.3446



26.0112, 0.4957, 0.4446



2.7358, 0.4847, 0.4533



# Inverse Universe

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



30.3282, 0.2027, 0.1874



22.9888, 0.1844, 0.1555



18.3977, 0.2011, 0.1278



18.3920, 0.2979, 0.3129



7.5907, 0.1638, 0.1096



0.9326, 0.1700, 0.1320



# Previews

## White Background



This preview shows how the Yxy color 62.8622, 0.4380, 0.4332 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 62.8622, 0.4380, 0.4332 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 62.8622, 0.4380, 0.4332**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.8622, 0.4380, 0.4332.



This preview shows how white text looks on a background with the Yxy color 62.8622, 0.4380, 0.4332.

# 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

62.8622, 0.4380, 0.4332

### Protanopia

62.9088, 0.4105, 0.4489

### Deuteranopia

62.6274, 0.4315, 0.4230



## Tritanopia

62.8334, 0.3561, 0.3167

# Trichromacy



**Original Color**

62.8622, 0.4380, 0.4332

**Protanomaly**

62.9782, 0.4205, 0.4432

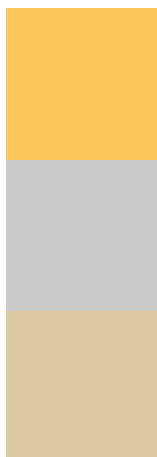
**Deuteranomaly**

62.5490, 0.4340, 0.4262

**Tritanomaly**

62.4522, 0.3894, 0.3627

# Monochromacy



**Original Color**

62.8622, 0.4380, 0.4332

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

60.3793, 0.3589, 0.3752

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.8622, 0.4380, 0.4332 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, 199, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 91)  
}
```

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, 199, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 91) }
```

## Border

The CSS property to change the border of an element to Yxy 62.8622, 0.4380, 0.4332 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, 199, 91) }
```

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

```
.border{ border-color:rgb(255, 199, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
91) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.8622, 0.4380, 0.4332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 91) }
```

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

```
.background{ background-color: rgb(255,  
199, 91) }
```

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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