

# Converting Colors

$Yxy(70.0064, 0.3677, 0.4899)$

Have a look what the booklet for  
Yxy(70.0064, 0.3677, 0.4899)  
contains.

<b>Yxy(70.2225, 0.3677, 0.4897)</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(70.2225, 0.3677, 0.4897)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0E95A
RGB	192, 233, 90
RGB Percent	75%, 91%, 35%
CMY	0.2470, 0.0863, 0.6470
CMYK	0.18, 0.00, 0.61, 0.09
HSL	77°, 76%, 63%
HSV	77°, 61%, 91%
XYZ	52.7278, 70.2225, 20.4487
YIQ	204.4390, 21.4670, -53.1650

# Conversions

## Conversions Part 2

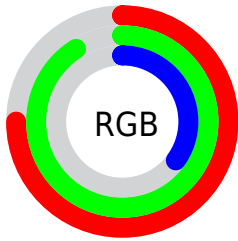
Format	Color
<b>RYB</b>	90, 233, 131
Decimal	12642650
CIELab	87.11, -33.58, 63.24
CIELCh	87, 71.600, 117.973
Yxy	70.2225, 0.3677, 0.4897
Android (android.graphics.Color)	4290832730 (0xFFC0E95A)
YUV	204.4390, -56.4184, -10.9090
Hunter-Lab	83.7989, -34.3325, 44.1912

# Details

The Yxy color **70.2225, 0.3677, 0.4897** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **18.0203, 0.2220, 0.1443**, and the grayscale version is **61.0351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0736, 0.3744, 0.4367**, and **36.6889, 0.3729, 0.5273** is the 20% darker color. If you saturate the color by 10%, you get **69.0371, 0.3715, 0.5106**, and if you desaturate by 10%, it is **71.5781, 0.3616, 0.4654**.

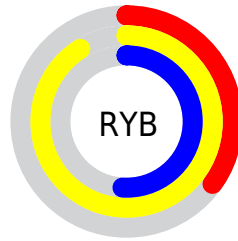
# Distribution



Red (75%)

Green (91%)

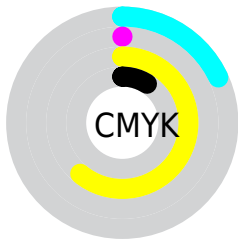
Blue (35%)



Red (35%)

Yellow (91%)

Blue (51%)

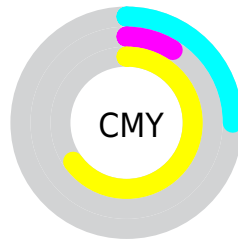


Cyan (18%)

Magenta (0%)

Yellow (61%)

Black (9%)



Cyan (25%)

Magenta (9%)

Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2225, 0.3677, 0.4897 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 70.2225, 0.3677, 0.4897 by changing the saturation by 10% instead.





 70.2225, 0.3677,  
0.4897

 70.2225, 0.3677,  
0.4897


461.3309, 0.3473,  
0.4134


 51.7079, 0.3705,  
0.5067


 119.5260, 0.3620,  
0.4634


 36.7723, 0.3729,  
0.5271

 151.0837, 0.3594,  
0.4531

 25.0313, 0.3740,  
0.5517


 187.7580, 0.3569,  
0.4442

 16.1004, 0.3721,  
0.5814

 229.9332, 0.3546,  
0.4364

 9.5952, 0.3700,  
0.6266

277.9936, 0.3526,  
0.4296

 5.1314, 0.3432,  
0.6568

332.3238, 0.3506,

 2.3246, 0.2982,

0.4236

0.7018

393.3081, 0.3489,  
0.4182

0.7867, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

70.2225, 0.3677,  
0.4897

70.2225, 0.3677,  
0.4897

69.0371, 0.3715,  
0.5106

71.5781, 0.3616,  
0.4654

67.9997, 0.3728,  
0.5271


73.1054, 0.3537,  
0.4390

67.0987, 0.3715,  
0.5387


74.8175, 0.3445,  
0.4115

66.4100, 0.3688,  
0.5453


76.7234, 0.3346,  
0.3841

 78.8315, 0.3243,  
0.3575

 81.1496, 0.3141,  
0.3323

 83.6851, 0.3042,  
0.3089

 84.9885, 0.3074,  
0.3074

 86.2139, 0.3118,  
0.3077

# Harmonies

## Analogous

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



70.2225, 0.4397, 0.4547



70.2225, 0.3677, 0.4897



70.2225, 0.2857, 0.4670

# Triad

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



70.2225, 0.3677, 0.4897



70.2225, 0.1669, 0.2296



70.2225, 0.4105, 0.2760

# Complementary

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



70.2225, 0.3677, 0.4897



18.0203, 0.2220, 0.1443

# 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.



70.2225, 0.3214, 0.2303



70.2225, 0.3677, 0.4897



70.2225, 0.1892, 0.2025

# Square

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



70.2225, 0.3677, 0.4897



70.2225, 0.1749, 0.2916



70.2225, 0.2416, 0.2043



70.2225, 0.4726, 0.3336



# Rectangle

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



70.2225, 0.3677, 0.4897



70.2225, 0.2362, 0.4158



70.2225, 0.2416, 0.2043



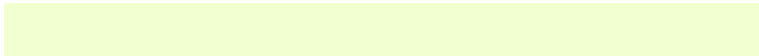
70.2225, 0.3818, 0.2590

# Sweetspot

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



70.2256, 0.3677, 0.4897



94.9788, 0.3312, 0.3752



34.1661, 0.4747, 0.3728



20.1725, 0.3342, 0.3831



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.



70.2256, 0.3677, 0.4897



84.3248, 0.3722, 0.5160



63.0798, 0.3192, 0.5181



17.3976, 0.3224, 0.3526



37.7488, 0.3696, 0.5447



3.0126, 0.3767, 0.5391



# Inverse Universe

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



18.0203, 0.2220, 0.1443



15.1711, 0.2000, 0.1091



25.7557, 0.2881, 0.1737



14.7579, 0.3024, 0.3050



4.0651, 0.1687, 0.0703

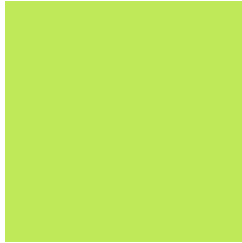


0.3666, 0.1831, 0.0783



# Previews

## White Background



This preview shows how the Yxy color 70.2225, 0.3677, 0.4897 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

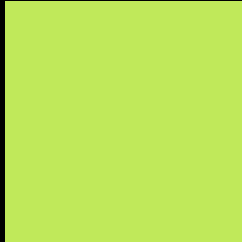
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.2225, 0.3677, 0.4897 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

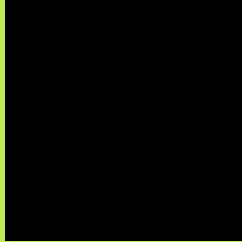
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.2225, 0.3677, 0.4897**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.2225, 0.3677, 0.4897.



This preview shows how white text looks on a background with the Yxy color 70.2225, 0.3677, 0.4897.

# 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

70.2225, 0.3677, 0.4897

### Protanopia

69.8694, 0.4178, 0.4581

### Deuteranopia

69.4598, 0.3944, 0.3939



## Tritanopia

69.7542, 0.2948, 0.3092

# Trichromacy



**Original Color**

70.2225, 0.3677, 0.4897

**Protanomaly**

69.3108, 0.3991, 0.4701

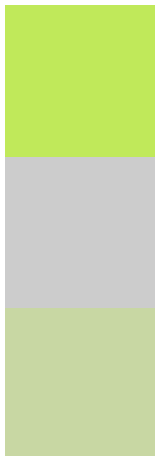
**Deuteranomaly**

68.8050, 0.3866, 0.4282

**Tritanomaly**

68.8908, 0.3248, 0.3756

# Monochromacy



**Original Color**

70.2225, 0.3677, 0.4897

**Achromatopsia**

60.3827, 0.3127, 0.3290

**Achromatomaly**

63.5246, 0.3373, 0.3914

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.2225, 0.3677, 0.4897 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(192, 233, 90)` looks like.

```
.text, #text, p{  
    color:rgb(192, 233, 90)  
}
```

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(192, 233, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 233, 90) }
```

## Border

The CSS property to change the border of an element to Yxy 70.2225, 0.3677, 0.4897 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(192, 233, 90) }
```

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

```
.border{ border-color:rgb(192, 233, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 233, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 233, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 233, 90);  
box-shadow:4px 4px 4px 4px rgb(192, 233,  
90) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 70.2225, 0.3677, 0.4897$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 233, 90) }
```

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

```
.background{ background-color: rgb(192,  
233, 90) }
```

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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