

# Converting Colors

$Yxy(71.4407, 0.3948, 0.4669)$

Have a look what the booklet for  
Yxy(71.4407, 0.3948, 0.4669)  
contains.

<b>Yxy(71.2084, 0.3949, 0.4665)</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(71.2084, 0.3949, 0.4665)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1E25E
RGB	225, 226, 94
RGB Percent	88%, 89%, 37%
CMY	0.1175, 0.1138, 0.6314
CMYK	0.00, 0.00, 0.58, 0.11
HSL	60°, 69%, 63%
HSV	60°, 58%, 89%
XYZ	60.2791, 71.2084, 21.1565
YIQ	210.6530, 41.7760, -41.2640

# Conversions

## Conversions Part 2

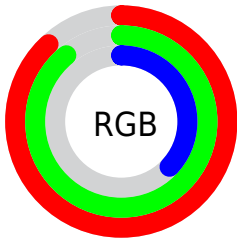
Format	Color
R <sub>Y</sub> B	94, 226, 95
Decimal	14803550
CIE Lab	87.59, -16.91, 62.76
CIE LCh	88, 64.995, 105.080
Yxy	71.2084, 0.3949, 0.4665
Android (android.graphics.Color)	4292993630 (0xFFE1E25E)
YUV	210.6530, -57.5099, 12.5823
Hunter-Lab	84.3851, -20.1653, 44.2048

# Details

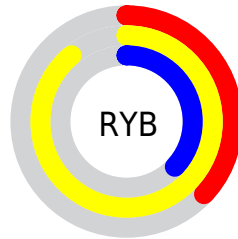
The Yxy color **71.2084, 0.3949, 0.4665** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **15.9260, 0.2000, 0.1419**, and the grayscale version is **65.2724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9499, 0.3750, 0.4320**, and **37.4749, 0.4075, 0.4953** is the 20% darker color. If you saturate the color by 10%, you get **70.8377, 0.4044, 0.4826**, and if you desaturate by 10%, it is **71.7045, 0.3831, 0.4467**.

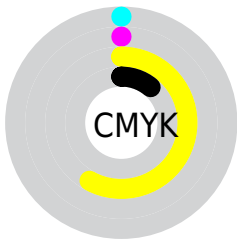
# Distribution



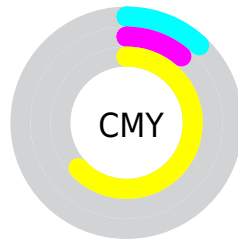
- Red (88%)
- Green (89%)
- Blue (37%)



- Red (37%)
- Yellow (89%)
- Blue (37%)



- Cyan (0%)
- Magenta (0%)
- Yellow (58%)
- Black (11%)




- Cyan (12%)
- Magenta (11%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.2084, 0.3949, 0.4665 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 71.2084, 0.3949, 0.4665 by changing the saturation by 10% instead.





 71.2084, 0.3949,  
0.4665


 71.2084, 0.3949,  
0.4665

464.7816, 0.3609,  
0.4038


 52.5123, 0.4010,  
0.4798


 120.9304, 0.3843,  
0.4454


 37.4136, 0.4076,  
0.4954


 152.7251, 0.3798,  
0.4370

 25.5279, 0.4142,  
0.5136


 189.6548, 0.3758,  
0.4296

 16.4708, 0.4198,  
0.5347

 232.1038, 0.3722,  
0.4232

 9.8579, 0.4272,  
0.5646

280.4566, 0.3689,  
0.4175

 5.3048, 0.4173,  
0.5827

335.0976, 0.3660,

 2.4272, 0.3957,

0.4124

0.6043

396.4111, 0.3633,  
0.4078

0.8398, 0.3146,  
0.6854

0.0000, 0.0000,  
0.0000

71.2084, 0.3949,  
0.4665

71.2084, 0.3949,  
0.4665

70.8377, 0.4044,  
0.4826

71.7045, 0.3831,  
0.4467

70.5717, 0.4114,  
0.4946


72.3255, 0.3697,  
0.4242

70.4012, 0.4158,  
0.5021

73.0831, 0.3552,  
0.3999

70.3077, 0.4178,  
0.5058

73.9851, 0.3401,  
0.3747


 70.2956, 0.4181,  
0.5063

 75.0386, 0.3251,  
0.3496

 76.2504, 0.3104,  
0.3252

 77.6267, 0.2965,  
0.3020

 77.8322, 0.2949,  
0.2992

 77.8585, 0.2950,  
0.2992

# Harmonies

## Analogous

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



71.2084, 0.4501, 0.4241



71.2084, 0.3949, 0.4665



71.2084, 0.3216, 0.4689

# Triad

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



71.2084, 0.3949, 0.4665



71.2084, 0.1782, 0.2596



71.2084, 0.3678, 0.2608

# Complementary

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



71.2084, 0.3949, 0.4665



15.9260, 0.2000, 0.1419

# 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.



71.2084, 0.2874, 0.2253



71.2084, 0.3949, 0.4665



71.2084, 0.1868, 0.2204

# Square

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



71.2084, 0.3949, 0.4665



71.2084, 0.1990, 0.3298



71.2084, 0.2237, 0.2105



71.2084, 0.4382, 0.3107



# Rectangle

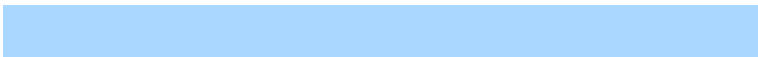
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.2084, 0.3949, 0.4665



71.2084, 0.2723, 0.4381



71.2084, 0.2237, 0.2105



71.2084, 0.3405, 0.2470

# Sweetspot

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



71.2117, 0.3949, 0.4665



97.3262, 0.3397, 0.3740



24.9811, 0.4932, 0.3295



20.7528, 0.3441, 0.3814



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.



71.2117, 0.3949, 0.4665



93.0674, 0.4061, 0.4855



62.6697, 0.3448, 0.4944



16.0243, 0.3266, 0.3522



40.1093, 0.4181, 0.5062



2.7818, 0.4183, 0.5061



# Inverse Universe

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



15.9260, 0.2000, 0.1419



14.0683, 0.1776, 0.1050



20.9693, 0.2528, 0.1645



13.2480, 0.2982, 0.3048



3.1407, 0.1502, 0.0601

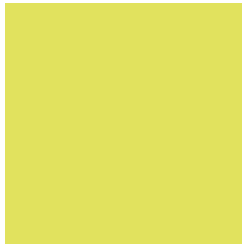


0.2194, 0.1509, 0.0605



# Previews

## White Background



This preview shows how the Yxy color 71.2084, 0.3949, 0.4665 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

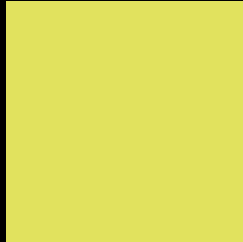
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.2084, 0.3949, 0.4665 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

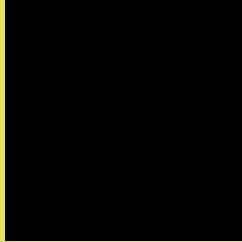
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.2084, 0.3949, 0.4665**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.2084, 0.3949, 0.4665.



This preview shows how white text looks on a background with the Yxy color 71.2084, 0.3949, 0.4665.

# 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

71.2084, 0.3949, 0.4665

### Protanopia

71.1922, 0.4143, 0.4550

### Deuteranopia

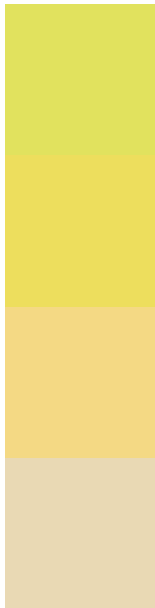
70.6801, 0.3885, 0.3888



## Tritanopia

70.9213, 0.3202, 0.3113

# Trichromacy



**Original Color**

71.2084, 0.3949, 0.4665

**Protanomaly**

71.0374, 0.4071, 0.4589

**Deuteranomaly**

70.5247, 0.3928, 0.4179

**Tritanomaly**

70.2446, 0.3506, 0.3695

# Monochromacy



**Original Color**

71.2084, 0.3949, 0.4665

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

66.5378, 0.3461, 0.3841

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.2084, 0.3949, 0.4665 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(225, 226, 94)` looks like.

```
.text, #text, p{  
    color:rgb(225, 226, 94)  
}
```

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(225, 226, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 226, 94) }
```

## Border

The CSS property to change the border of an element to Yxy 71.2084, 0.3949, 0.4665 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(225, 226, 94) }
```

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

```
.border{ border-color:rgb(225, 226, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 226, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 226, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 226, 94);  
box-shadow:4px 4px 4px 4px rgb(225, 226,  
94) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.2084, 0.3949, 0.4665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 226, 94) }
```

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

```
.background{ background-color: rgb(225,  
226, 94) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor