

# Converting Colors

Yxy(70.8926, 0.4087, 0.4907)

Have a look what the booklet for  
Yxy(70.8926, 0.4087, 0.4907)  
contains.

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**Color**

**Yxy(70.7058, 0.4091, 0.4901)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1E23A
RGB	225, 226, 58
RGB Percent	88%, 89%, 23%
CMY	0.1175, 0.1137, 0.7725
CMYK	0.00, 0.00, 0.74, 0.11
HSL	60°, 74%, 56%
HSV	60°, 74%, 89%
XYZ	59.0201, 70.7058, 14.5422
YIQ	206.5490, 53.3320, -52.4600

# Conversions

## Conversions Part 2

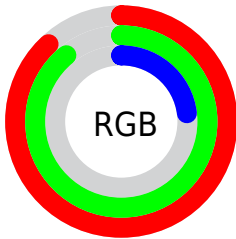
Format	Color
<b>RYB</b>	58, 226, 59
Decimal	14803514
CIELab	87.34, -18.87, 75.94
CIELCh	87, 78.253, 103.953
Yxy	70.7058, 0.4091, 0.4901
Android (android.graphics.Color)	4292993594 (0xFFE1E23A)
YUV	206.5490, -73.2347, 16.1815
Hunter-Lab	84.0867, -21.8635, 48.6069

# Details

The Yxy color **70.7058, 0.4091, 0.4901** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **9.4486, 0.1715, 0.0951**, and the grayscale version is **62.5523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0644, 0.3912, 0.4588**, and **37.2328, 0.4143, 0.5093** is the 20% darker color. If you saturate the color by 10%, you get **70.5065, 0.4146, 0.4994**, and if you desaturate by 10%, it is **71.0126, 0.4010, 0.4764**.

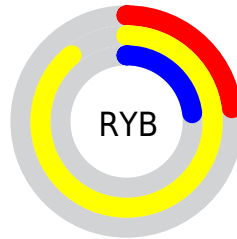
# Distribution



Red (88%)

Green (89%)

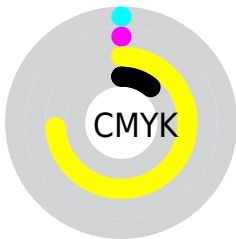
Blue (23%)



Red (23%)

Yellow (89%)

Blue (23%)

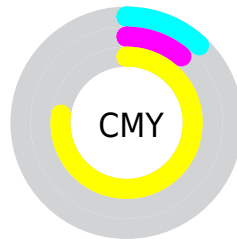


Cyan (0%)

Magenta (0%)

Yellow (74%)

Black (11%)



Cyan (12%)

Magenta (11%)


Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7058, 0.4091, 0.4901 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 70.7058, 0.4091, 0.4901 by changing the saturation by 10% instead.



 70.7058, 0.4091,  
0.4901


 70.7058, 0.4091,  
0.4901


463.0243, 0.3715,  
0.4186


 52.1021, 0.4149,  
0.5042

 120.2147, 0.3981,  
0.4668


 37.0865, 0.4205,  
0.5201


 151.8888, 0.3932,  
0.4573


 25.2745, 0.4249,  
0.5377


 188.6884, 0.3887,  
0.4488

 16.2817, 0.4281,  
0.5583

 230.9981, 0.3846,  
0.4414

 9.7237, 0.4237,  
0.5763

 279.2021, 0.3809,  
0.4347

 5.2161, 0.4085,  
0.5915


333.6849, 0.3775,

 2.3746, 0.3839,


0.4288


0.6161


394.8308, 0.3743,  
0.4235


 0.8128, 0.2773,  
0.7227


 0.0000, 0.0000,  
0.0000


 70.7058, 0.4091,  
0.4901


 70.7058, 0.4091,  
0.4901


 70.5065, 0.4146,  
0.4994


 71.0126, 0.4010,  
0.4764

 70.3905, 0.4175,  
0.5045

 71.4287, 0.3905,  
0.4588

 70.3501, 0.4183,  
0.5061

 71.9675, 0.3779,  
0.4378

 72.6381, 0.3640,  
0.4144

73.4485, 0.3491,  
0.3896

74.4063, 0.3340,  
0.3644

75.5184, 0.3190,  
0.3395

76.7914, 0.3046,  
0.3155

77.8109, 0.2948,  
0.2992

# Harmonies

## Analogous

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



70.7058, 0.4752, 0.4337



70.7058, 0.4091, 0.4901



70.7058, 0.3231, 0.5021

# Triad

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



70.7058, 0.4091, 0.4901



70.7058, 0.1563, 0.2468



70.7058, 0.3745, 0.2467

# Complementary

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



70.7058, 0.4091, 0.4901



9.4486, 0.1715, 0.0951

# 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.



70.7058, 0.2782, 0.2073



70.7058, 0.4091, 0.4901



70.7058, 0.1654, 0.2020

# Square

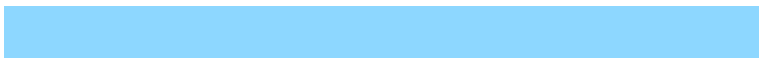
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.7058, 0.4091, 0.4901



70.7058, 0.1799, 0.3317



70.7058, 0.2056, 0.1910



70.7058, 0.4615, 0.3028



# Rectangle

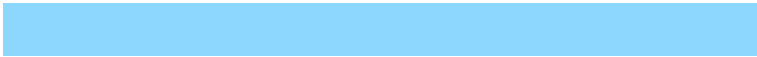
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.7058, 0.4091, 0.4901



70.7058, 0.2653, 0.4672



70.7058, 0.2056, 0.1910



70.7058, 0.3412, 0.2313

# Sweetspot

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



70.7091, 0.4091, 0.4901



96.8381, 0.3458, 0.3841



19.5023, 0.5688, 0.3298



20.6586, 0.3500, 0.3910



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.



70.7091, 0.4091, 0.4901



92.6189, 0.4164, 0.5026



60.4475, 0.3456, 0.5341



16.0254, 0.3266, 0.3522



40.1386, 0.4183, 0.5060



2.7835, 0.4185, 0.5059



# Inverse Universe

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



9.4486, 0.1715, 0.0951



8.3192, 0.1549, 0.0679



14.2709, 0.2316, 0.1252



13.2470, 0.2981, 0.3048



3.1391, 0.1502, 0.0601

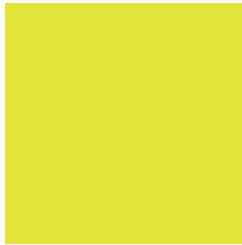


0.2189, 0.1507, 0.0604



# Previews

## White Background



This preview shows how the Yxy color 70.7058, 0.4091, 0.4901 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 70.7058, 0.4091, 0.4901 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 70.7058, 0.4091, 0.4901**

## Background



This preview shows how black text looks on a background with the Yxy color 70.7058, 0.4091, 0.4901.



This preview shows how white text looks on a background with the Yxy color 70.7058, 0.4091, 0.4901.

# 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

70.7058, 0.4091, 0.4901

### Protanopia

70.5414, 0.4311, 0.4748

### Deuteranopia

70.4536, 0.3935, 0.3958



## Tritanopia

70.4853, 0.3224, 0.3123

# Trichromacy



## Original Color

70.7058, 0.4091, 0.4901

## Protanomaly

70.7151, 0.4224, 0.4808

## Deuteranomaly

70.0966, 0.4035, 0.4337

## Tritanomaly

69.3573, 0.3617, 0.3837

# Monochromacy



## Original Color

70.7058, 0.4091, 0.4901

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

64.6892, 0.3555, 0.3998

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.7058, 0.4091, 0.4901 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, 58)` looks like.

```
.text, #text, p{  
    color:rgb(225, 226, 58)  
}
```

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, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 226, 58) }
```

## Border

The CSS property to change the border of an element to Yxy 70.7058, 0.4091, 0.4901 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, 58) }
```

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

```
.border{ border-color:rgb(225, 226, 58) }
```

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, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 226, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 226, 58);  
box-shadow:4px 4px 4px 4px rgb(225, 226,  
58) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 70.7058, 0.4091, 0.4901$  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, 58) }
```

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

```
.background{ background-color: rgb(225,  
226, 58) }
```

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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