

# Converting Colors

Yxy(89.3825, 0.4508, 0.4645)

Have a look what the booklet for  
Yxy(89.3825, 0.4508, 0.4645)  
contains.

<b>Yxy(82.1042, 0.4249, 0.4830)</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(82.1042, 0.4249, 0.4830)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFED37
RGB	255, 237, 55
RGB Percent	100%, 93%, 22%
CMY	0.0000, 0.0706, 0.7843
CMYK	0.00, 0.07, 0.78, 0.00
HSL	55°, 100%, 61%
HSV	55°, 78%, 100%
XYZ	72.2279, 82.1042, 15.6559
YIQ	221.6340, 69.1500, -52.7860

# Conversions

## Conversions Part 2

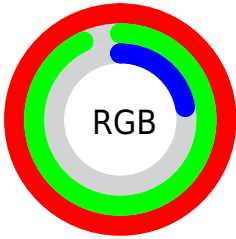
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	75, 255, 55
Decimal	16772407
CIE Lab	92.62, -11.92, 82.50
CIE LCh	93, 83.356, 98.221
Yxy	82.1042, 0.4249, 0.4830
Android (android.graphics.Color)	4294962487 (0xFFFFE37)
YUV	221.6340, -82.1506, 29.2620
Hunter-Lab	90.6114, -16.2844, 53.1838

# Details

The Yxy color **82.1042, 0.4249, 0.4830** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **12.8007, 0.1684, 0.0979**, and the grayscale version is **73.3253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0644, 0.3912, 0.4588**, and **44.9252, 0.4306, 0.4963** is the 20% darker color. If you saturate the color by 10%, you get **80.5926, 0.4317, 0.4894**, and if you desaturate by 10%, it is **83.7476, 0.4153, 0.4721**.

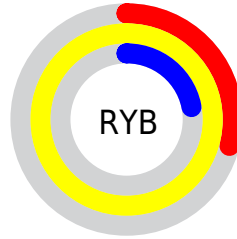
# Distribution



Red (100%)

Green (93%)

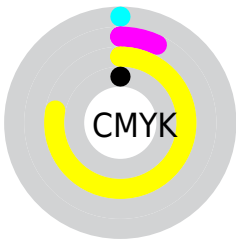
Blue (22%)



Red (29%)

Yellow (100%)

Blue (22%)

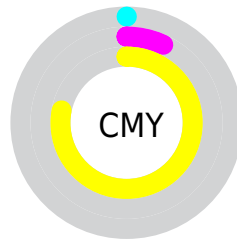


Cyan (0%)

Magenta (7%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1042, 0.4249, 0.4830 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 82.1042, 0.4249, 0.4830 by changing the saturation by 10% instead.




 82.1042, 0.4249,  
0.4830


 82.1042, 0.4249,  
0.4830


501.9962, 0.3817,  
0.4188


 61.4514, 0.4318,  
0.4947


 136.3201, 0.4122,  
0.4629

 44.5896, 0.4386,  
0.5075

 170.6520, 0.4066,  
0.4545


 31.1343, 0.4449,  
0.5211


 210.3125, 0.4015,  
0.4469

 20.7011, 0.4498,  
0.5354

 255.6858, 0.3968,  
0.4401

 12.9057, 0.4512,  
0.5488

 307.1565, 0.3925,  
0.4339

 7.3636, 0.4436,  
0.5564

365.1088, 0.3886,

 3.6905, 0.4320,

0.4284

0.5680

429.9273, 0.3850,  
0.4234

■ 1.5020, 0.4120,  
0.5880

■ 0.2901, 0.0000,  
1.0000

■ 82.1042, 0.4249,  
0.4830

■ 82.1042, 0.4249,  
0.4830

■ 80.5926, 0.4317,  
0.4894

■ 83.7476, 0.4153,  
0.4721

■ 79.2058, 0.4358,  
0.4915

■ 85.5571, 0.4031,  
0.4570


■ 78.9933, 0.4364,  
0.4917

■ 87.5413, 0.3890,  
0.4384

■ 89.7132, 0.3736,  
0.4172

 92.0841, 0.3575,  
0.3945

 94.6645, 0.3413,  
0.3711

 97.4641, 0.3255,  
0.3479

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.



82.1042, 0.4856, 0.4217



82.1042, 0.4249, 0.4830



82.1042, 0.3401, 0.5078

# Triad

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



82.1042, 0.4249, 0.4830



82.1042, 0.1565, 0.2588



82.1042, 0.3559, 0.2366

# Complementary

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



82.1042, 0.4249, 0.4830



12.8007, 0.1684, 0.0979

# 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.



82.1042, 0.2613, 0.2009



82.1042, 0.4249, 0.4830



82.1042, 0.1597, 0.2063

# Square

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



82.1042, 0.4249, 0.4830



82.1042, 0.1870, 0.3519



82.1042, 0.1941, 0.1894



82.1042, 0.4495, 0.2907



# Rectangle

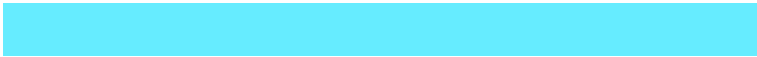
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.1042, 0.4249, 0.4830



82.1042, 0.2807, 0.4832



82.1042, 0.1941, 0.1894



82.1042, 0.3225, 0.2223

# Sweetspot

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



82.0985, 0.4249, 0.4830



93.1999, 0.3503, 0.3841



24.5017, 0.5665, 0.3163



19.7557, 0.3561, 0.3925



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.



82.0985, 0.4249, 0.4830



79.8076, 0.4343, 0.4910



80.9105, 0.3575, 0.5343



20.7944, 0.3271, 0.3504



41.3913, 0.4361, 0.4920



4.1086, 0.4339, 0.4937



# Inverse Universe

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



12.8007, 0.1684, 0.0979



8.6402, 0.1540, 0.0703



15.1051, 0.2093, 0.1075



17.6406, 0.2979, 0.3066



4.1805, 0.1516, 0.0658

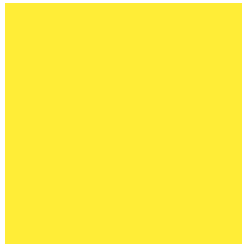


0.4920, 0.1549, 0.0777



# Previews

## White Background



This preview shows how the Yxy color 82.1042, 0.4249, 0.4830 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

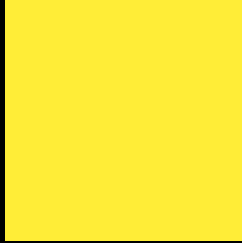
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.1042, 0.4249, 0.4830 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 82.1042, 0.4249, 0.4830**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.1042, 0.4249, 0.4830.



This preview shows how white text looks on a background with the Yxy color 82.1042, 0.4249, 0.4830.

# 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

82.1042, 0.4249, 0.4830

### Protanopia

81.9118, 0.3903, 0.4253

### Deuteranopia

81.9308, 0.3517, 0.3614



## Tritanopia

81.7088, 0.3265, 0.3192

# Trichromacy



## Original Color

82.1042, 0.4249, 0.4830



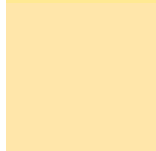
## Protanomaly

81.7382, 0.4063, 0.4512



## Deuteranomaly

81.6131, 0.3853, 0.4161



## Tritanomaly

80.7559, 0.3708, 0.3899

# Monochromacy



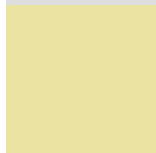
## Original Color

82.1042, 0.4249, 0.4830



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

75.0038, 0.3619, 0.4001

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.1042, 0.4249, 0.4830 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, 237, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 55)  
}
```

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, 237, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 55) }
```

## Border

The CSS property to change the border of an element to Yxy 82.1042, 0.4249, 0.4830 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, 237, 55) }
```

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

```
.border{ border-color:rgb(255, 237, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
55) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.1042, 0.4249, 0.4830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 55) }
```

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

```
.background{ background-color: rgb(255,  
237, 55) }
```

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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