

# Converting Colors

$Yxy(82.5707, 0.4048, 0.4860)$

Have a look what the booklet for  
Yxy(82.5707, 0.4048, 0.4860)  
contains.

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# Color

**Yxy(82.3360, 0.4045, 0.4858)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFF249
RGB	239, 242, 73
RGB Percent	94%, 95%, 29%
CMY	0.0627, 0.0510, 0.7135
CMYK	0.01, 0.00, 0.70, 0.05
HSL	61°, 87%, 62%
HSV	61°, 70%, 95%
XYZ	68.5568, 82.3360, 18.5925
YIQ	221.8370, 52.4610, -53.1950

# Conversions

## Conversions Part 2

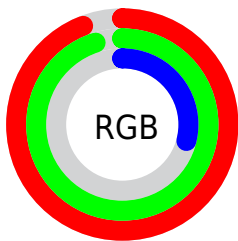
Format	Color
<a href="#">RYB</a>	<a href="#">73, 242, 76</a>
Decimal	<a href="#">15725129</a>
CIELab	<a href="#">92.72, -20.22, 76.50</a>
CIELCh	<a href="#">93, 79.124, 104.809</a>
Yxy	<a href="#">82.3360, 0.4045, 0.4858</a>
Android (android.graphics.Color)	<a href="#">4293915209 (0xFFEFF249)</a>
YUV	<a href="#">221.8370, -73.3766, 15.0520</a>
Hunter-Lab	<a href="#">90.7392, -23.9302, 51.3689</a>

# Details

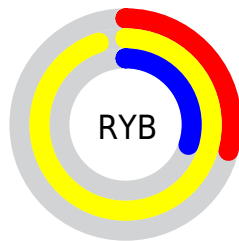
The Yxy color **82.3360, 0.4045, 0.4858** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **12.7229, 0.1791, 0.1065**, and the grayscale version is **73.4343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4187, 0.3845, 0.4476**, and **44.7015, 0.4128, 0.5104** is the 20% darker color. If you saturate the color by 10%, you get **82.0042, 0.4109, 0.4973**, and if you desaturate by 10%, it is **82.8005, 0.3955, 0.4700**.

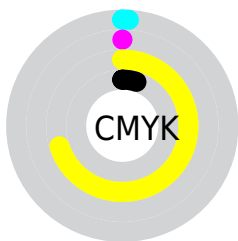
# Distribution



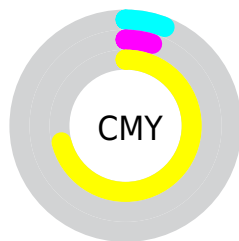
- Red (94%)
- Green (95%)
- Blue (29%)



- Red (29%)
- Yellow (95%)
- Blue (30%)



- Cyan (1%)
- Magenta (0%)
- Yellow (70%)
- Black (5%)




- Cyan (6%)
- Magenta (5%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.3360, 0.4045, 0.4858 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 82.3360, 0.4045, 0.4858 by changing the saturation by 10% instead.



 82.3360, 0.4045,  
0.4858


 82.3360, 0.4045,  
0.4858


502.7709, 0.3694,  
0.4175


 61.6425, 0.4100,  
0.4992

 136.6451, 0.3942,  
0.4637


 44.7439, 0.4155,  
0.5145


 171.0295, 0.3897,  
0.4546

 31.2558, 0.4202,  
0.5316


 210.7463, 0.3855,  
0.4465

 20.7937, 0.4230,  
0.5503

 256.1800, 0.3817,  
0.4394

 12.9733, 0.4254,  
0.5746

 307.7149, 0.3782,  
0.4330

 7.4101, 0.4123,  
0.5877

365.7354, 0.3750,

 3.7199, 0.3921,

0.4273

0.6079

430.6260, 0.3721,  
0.4222

■ 1.5181, 0.3576,  
0.6424

■ 0.3014, 0.0000,  
1.0000

■ 82.3360, 0.4045,  
0.4858

■ 82.3360, 0.4045,  
0.4858

■ 82.0042, 0.4109,  
0.4973

■ 82.8005, 0.3955,  
0.4700

■ 81.7781, 0.4146,  
0.5043


■ 83.3991, 0.3842,  
0.4505

■ 81.6364, 0.4162,  
0.5077


■ 84.1469, 0.3712,  
0.4281


■ 81.6340, 0.4162,  
0.5077


■ 85.0543, 0.3569,  
0.4038

 86.1303, 0.3420,  
0.3785

 87.3836, 0.3270,  
0.3532

 88.8221, 0.3124,  
0.3285

 89.6791, 0.3053,  
0.3162

 89.7551, 0.3055,  
0.3162

# Harmonies

## Analogous

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



82.3360, 0.4687, 0.4331



82.3360, 0.4045, 0.4858



82.3360, 0.3211, 0.4940

# Triad

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



82.3360, 0.4045, 0.4858



82.3360, 0.1610, 0.2484



82.3360, 0.3750, 0.2509

# Complementary

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



82.3360, 0.4045, 0.4858



12.7229, 0.1791, 0.1065

# 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.



82.3360, 0.2821, 0.2118



82.3360, 0.4045, 0.4858



82.3360, 0.1706, 0.2056

# Square

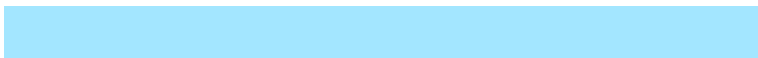
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3360, 0.4045, 0.4858



82.3360, 0.1833, 0.3292



82.3360, 0.2108, 0.1954



82.3360, 0.4576, 0.3059



# Rectangle

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



82.3360, 0.4045, 0.4858



82.3360, 0.2652, 0.4589



82.3360, 0.2108, 0.1954



82.3360, 0.3431, 0.2357

# Sweetspot

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



82.3398, 0.4045, 0.4858



96.8392, 0.3439, 0.3817



24.5116, 0.5472, 0.3320



20.6530, 0.3480, 0.3887



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.



82.3398, 0.4045, 0.4858



92.2278, 0.4129, 0.5009



70.9270, 0.3441, 0.5258



18.4440, 0.3265, 0.3523



43.8611, 0.4163, 0.5077



3.6533, 0.4167, 0.5073



# Inverse Universe

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



12.7229, 0.1791, 0.1065



9.3406, 0.1597, 0.0750



18.6939, 0.2398, 0.1359



15.2421, 0.2982, 0.3046



3.4649, 0.1506, 0.0603

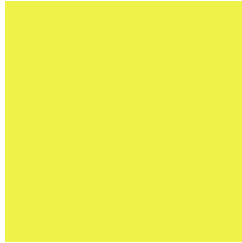


0.2929, 0.1520, 0.0611



# Previews

## White Background



This preview shows how the Yxy color 82.3360, 0.4045, 0.4858 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

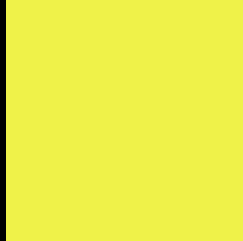
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.3360, 0.4045, 0.4858 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 82.3360, 0.4045, 0.4858**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.3360, 0.4045, 0.4858.

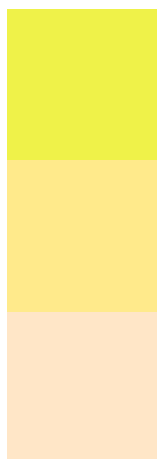


This preview shows how white text looks on a background with the Yxy color 82.3360, 0.4045, 0.4858.

# 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

82.3360, 0.4045, 0.4858

### Protanopia

81.9697, 0.3891, 0.4235

### Deuteranopia

81.9771, 0.3510, 0.3604



## Tritanopia

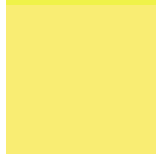
81.9952, 0.3205, 0.3113

# Trichromacy



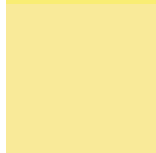
## Original Color

82.3360, 0.4045, 0.4858



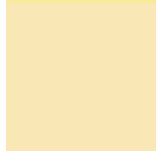
## Protanomaly

81.9459, 0.3967, 0.4487



## Deuteranomaly

81.2853, 0.3760, 0.4117



## Tritanomaly

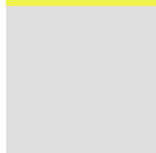
81.2304, 0.3577, 0.3805

# Monochromacy



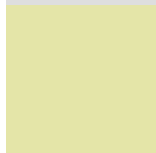
## Original Color

82.3360, 0.4045, 0.4858



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

75.3598, 0.3521, 0.3956

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.3360, 0.4045, 0.4858 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(239, 242, 73)` looks like.

```
.text, #text, p{  
    color:rgb(239, 242, 73)  
}
```

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(239, 242, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 242, 73) }
```

## Border

The CSS property to change the border of an element to Yxy 82.3360, 0.4045, 0.4858 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(239, 242, 73) }
```

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

```
.border{ border-color:rgb(239, 242, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 242, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 242, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 242, 73);  
box-shadow:4px 4px 4px 4px rgb(239, 242,  
73) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.3360, 0.4045, 0.4858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 242, 73) }
```

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

```
.background{ background-color: rgb(239,  
242, 73) }
```

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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