

# Converting Colors

Yxy(81.4034, 0.4098, 0.5011)

Have a look what the booklet for  
Yxy(81.4034, 0.4098, 0.5011)  
contains.

<b>Yxy(81.3408, 0.4095, 0.5013)</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(81.3408, 0.4095, 0.5013)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBF22B
RGB	235, 242, 43
RGB Percent	92%, 95%, 17%
CMY	0.0785, 0.0509, 0.8317
CMYK	0.03, 0.00, 0.82, 0.05
HSL	62°, 88%, 56%
HSV	62°, 82%, 95%
XYZ	66.4454, 81.3408, 14.4736
YIQ	217.2210, 59.7070, -63.3730

# Conversions

## Conversions Part 2

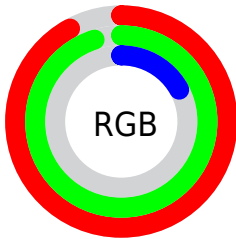
Format	Color
<a href="#">RYB</a>	<a href="#">43, 242, 50</a>
Decimal	<a href="#">15462955</a>
CIELab	<a href="#">92.28, -22.98, 84.62</a>
CIELCh	<a href="#">92, 87.689, 105.193</a>
Yxy	<a href="#">81.3408, 0.4095, 0.5013</a>
Android (android.graphics.Color)	<a href="#">4293653035 (0xFFEBF22B)</a>
YUV	<a href="#">217.2210, -85.8910, 15.5922</a>
Hunter-Lab	<a href="#">90.1891, -26.3241, 53.6175</a>

# Details

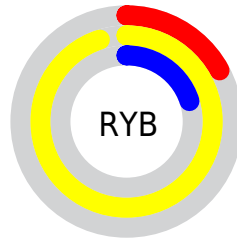
The Yxy color **81.3408, 0.4095, 0.5013** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **8.8084, 0.1629, 0.0788**, and the grayscale version is **70.1121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8841, 0.3948, 0.4647**, and **44.2318, 0.4090, 0.5134** is the 20% darker color. If you saturate the color by 10%, you get **81.0720, 0.4123, 0.5077**, and if you desaturate by 10%, it is **81.7230, 0.4041, 0.4906**.

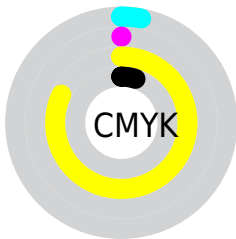
# Distribution



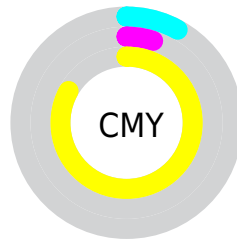
- Red (92%)
- Green (95%)
- Blue (17%)



- Red (17%)
- Yellow (95%)
- Blue (20%)



- Cyan (3%)
- Magenta (0%)
- Yellow (82%)
- Black (5%)




- Cyan (8%)
- Magenta (5%)
- Yellow (83%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.3408, 0.4095, 0.5013 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 81.3408, 0.4095, 0.5013 by changing the saturation by 10% instead.




 81.3408, 0.4095,  
0.5013


 81.3408, 0.4095,  
0.5013


499.4400, 0.3743,  
0.4274


 60.8223, 0.4143,  
0.5153


 135.2492, 0.3998,  
0.4778


 44.0818, 0.4186,  
0.5308


 169.4079, 0.3953,  
0.4680

 30.7348, 0.4213,  
0.5477


 208.8821, 0.3911,  
0.4592

 20.3970, 0.4223,  
0.5670

 254.0563, 0.3872,  
0.4514

 12.6840, 0.4162,  
0.5838

 305.3147, 0.3836,  
0.4445

 7.2113, 0.4009,  
0.5991


363.0419, 0.3802,


 3.5946, 0.3774,

0.4382

0.6226


427.6222, 0.3772,  
0.4325

 1.4495, 0.3354,  
0.6646


 0.2528, 0.0000,  
1.0000


 81.3408, 0.4095,  
0.5013


 81.3408, 0.4095,  
0.5013


 81.0720, 0.4123,  
0.5077


 81.7230, 0.4041,  
0.4906

 80.9145, 0.4131,  
0.5102


 82.2234, 0.3960,  
0.4755


 82.8592, 0.3856,  
0.4565

 83.6422, 0.3732,  
0.4344

 84.5828, 0.3595,  
0.4102

 85.6905, 0.3450,  
0.3849

 86.9738, 0.3304,  
0.3594

 88.4411, 0.3159,  
0.3345

 89.7263, 0.3054,  
0.3162

# Harmonies

## Analogous

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



81.3408, 0.4817, 0.4403



81.3408, 0.4095, 0.5013



81.3408, 0.3182, 0.5142

# Triad

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



81.3408, 0.4095, 0.5013



81.3408, 0.1478, 0.2380



81.3408, 0.3827, 0.2440

# Complementary

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



81.3408, 0.4095, 0.5013



8.8084, 0.1629, 0.0788

# 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.



81.3408, 0.2794, 0.2020



81.3408, 0.4095, 0.5013



81.3408, 0.1587, 0.1935

# Square

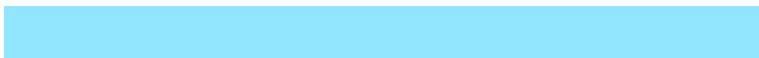
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.3408, 0.4095, 0.5013



81.3408, 0.1702, 0.3264



81.3408, 0.2018, 0.1838



81.3408, 0.4747, 0.3029



# Rectangle

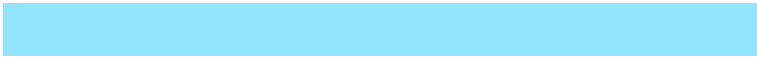
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.3408, 0.4095, 0.5013



81.3408, 0.2575, 0.4748



81.3408, 0.2018, 0.1838



81.3408, 0.3471, 0.2277

# Sweetspot

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



81.3446, 0.4095, 0.5013



96.1288, 0.3491, 0.3920



21.2949, 0.5979, 0.3335



20.4808, 0.3542, 0.4009



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.



81.3446, 0.4095, 0.5013



91.1364, 0.4130, 0.5099



68.9033, 0.3397, 0.5532



18.4290, 0.3263, 0.3524



43.4770, 0.4132, 0.5101



3.6257, 0.4141, 0.5094



# Inverse Universe

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



8.8084, 0.1629, 0.0788



7.3496, 0.1510, 0.0609



14.5306, 0.2270, 0.1125



15.2553, 0.2985, 0.3046



3.4857, 0.1511, 0.0606

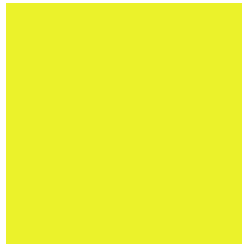


0.2993, 0.1540, 0.0622



# Previews

## White Background



This preview shows how the Yxy color 81.3408, 0.4095, 0.5013 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

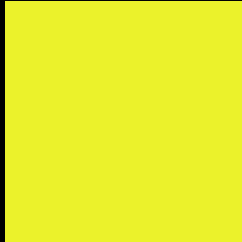
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.3408, 0.4095, 0.5013 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 81.3408, 0.4095, 0.5013**

## Background



This preview shows how black text looks on a background with the Yxy color 81.3408, 0.4095, 0.5013.



This preview shows how white text looks on a background with the Yxy color 81.3408, 0.4095, 0.5013.

# 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

81.3408, 0.4095, 0.5013

### Protanopia

81.0701, 0.3966, 0.4333

### Deuteranopia

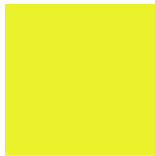
81.1937, 0.3547, 0.3645



## Tritanopia

80.8307, 0.3191, 0.3112

# Trichromacy



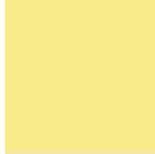
## Original Color

81.3408, 0.4095, 0.5013



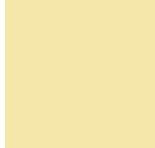
## Protanomaly

80.7919, 0.4057, 0.4629



## Deuteranomaly

80.6662, 0.3839, 0.4254



## Tritanomaly

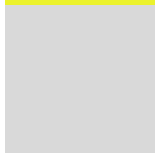
79.4666, 0.3630, 0.3925

# Monochromacy



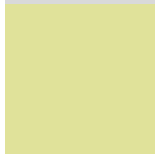
## Original Color

81.3408, 0.4095, 0.5013



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

72.5731, 0.3591, 0.4087

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.3408, 0.4095, 0.5013 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(235, 242, 43)` looks like.

```
.text, #text, p{  
  color:rgb(235, 242, 43)  
}
```

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(235, 242, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 242, 43) }
```

## Border

The CSS property to change the border of an element to Yxy 81.3408, 0.4095, 0.5013 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(235, 242, 43) }
```

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

```
.border{ border-color:rgb(235, 242, 43) }
```

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

Here you see how a box with a 4 pixel rgb(235, 242, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 242, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 242, 43);  
box-shadow:4px 4px 4px 4px rgb(235, 242,  
43) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.3408, 0.4095, 0.5013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 242, 43) }
```

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

```
.background{ background-color: rgb(235,  
242, 43) }
```

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