

# Converting Colors

$Yxy(86.8393, 0.4055, 0.5064)$

Have a look what the booklet for  
Yxy(86.8393, 0.4055, 0.5064)  
contains.

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# Color

**Yxy(87.1521, 0.4056, 0.5064)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDFB28
RGB	237, 251, 40
RGB Percent	93%, 98%, 16%
CMY	0.0706, 0.0157, 0.8433
CMYK	0.06, 0.00, 0.84, 0.02
HSL	64°, 96%, 57%
HSV	64°, 84%, 98%
XYZ	69.8043, 87.1521, 15.1449
YIQ	222.7600, 59.3870, -68.5890

# Conversions

## Conversions Part 2

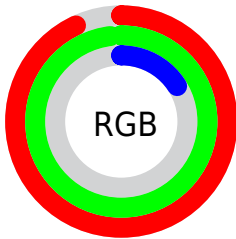
Format	Color
R <sub>Y</sub> B	40, 251, 54
Decimal	15596328
CIE Lab	94.80, -26.49, 87.41
CIE LCh	95, 91.338, 106.857
Yxy	87.1521, 0.4056, 0.5064
Android (android.graphics.Color)	4293786408 (0xFFEDFB28)
YUV	222.7600, -90.1007, 12.4885
Hunter-Lab	93.3553, -29.9025, 55.7302

# Details

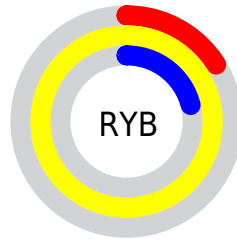
The Yxy color **87.1521, 0.4056, 0.5064** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **9.2629, 0.1628, 0.0766**, and the grayscale version is **74.2315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8841, 0.3948, 0.4647**, and **48.3773, 0.4032, 0.5181** is the 20% darker color. If you saturate the color by 10%, you get **86.7519, 0.4074, 0.5125**, and if you desaturate by 10%, it is **87.6736, 0.4012, 0.4959**.

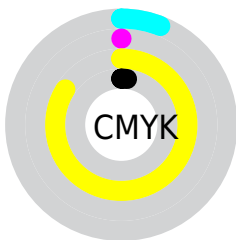
# Distribution



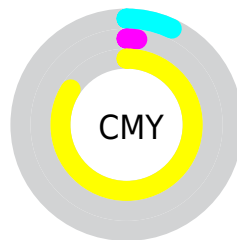
- Red (93%)
- Green (98%)
- Blue (16%)



- Red (16%)
- Yellow (98%)
- Blue (21%)



- Cyan (6%)
- Magenta (0%)
- Yellow (84%)
- Black (2%)




- Cyan (7%)
- Magenta (2%)
- Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1521, 0.4056, 0.5064 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 87.1521, 0.4056, 0.5064 by changing the saturation by 10% instead.





 87.1521, 0.4056,  
0.5064


 87.1521, 0.4056,  
0.5064


518.7225, 0.3731,  
0.4309


 65.6211, 0.4098,  
0.5206


 143.3761, 0.3969,  
0.4824


 47.9649, 0.4132,  
0.5365


 178.8379, 0.3928,  
0.4724

 33.7991, 0.4151,  
0.5537

 219.7121, 0.3889,  
0.4635

 22.7393, 0.4147,  
0.5729

 266.3831, 0.3852,  
0.4556

 14.4011, 0.4084,  
0.5916

 319.2352, 0.3818,  
0.4484

 8.4002, 0.3923,  
0.6077


378.6529, 0.3787,


 4.3521, 0.3681,


0.4420


0.6319


445.0205, 0.3758,  
0.4362

 1.8724, 0.3278,  
0.6722


 0.5317, 0.0000,  
1.0000


 87.1521, 0.4056,  
0.5064


 87.1521, 0.4056,  
0.5064


 86.7519, 0.4074,  
0.5125


 87.6736, 0.4012,  
0.4959

 86.5502, 0.4075,  
0.5146


 88.3229, 0.3942,  
0.4809

 89.1193, 0.3847,  
0.4619


 90.0757, 0.3732,  
0.4398

 91.2038, 0.3603,  
0.4154

 92.5142, 0.3465,  
0.3899

 94.0165, 0.3323,  
0.3642

 95.7197, 0.3183,  
0.3390

 96.9131, 0.3110,  
0.3252

# Harmonies

## Analogous

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



87.1521, 0.4808, 0.4452



87.1521, 0.4056, 0.5064



87.1521, 0.3125, 0.5161

# Triad

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



87.1521, 0.4056, 0.5064



87.1521, 0.1453, 0.2328



87.1521, 0.3898, 0.2457

# Complementary

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



87.1521, 0.4056, 0.5064



9.2629, 0.1628, 0.0766

# 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.



87.1521, 0.2841, 0.2020



87.1521, 0.4056, 0.5064



87.1521, 0.1582, 0.1901

# Square

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



87.1521, 0.4056, 0.5064



87.1521, 0.1658, 0.3199



87.1521, 0.2036, 0.1822



87.1521, 0.4813, 0.3059



# Rectangle

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



87.1521, 0.4056, 0.5064



87.1521, 0.2515, 0.4728



87.1521, 0.2036, 0.1822



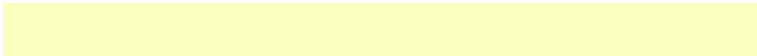
87.1521, 0.3536, 0.2288

# Sweetspot

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



87.1561, 0.4056, 0.5064



95.7589, 0.3478, 0.3923



22.9879, 0.6027, 0.3352



20.3908, 0.3527, 0.4013



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.



87.1561, 0.4056, 0.5064



89.7101, 0.4075, 0.5146



74.2966, 0.3370, 0.5580



20.1287, 0.3259, 0.3525



45.5168, 0.4078, 0.5144



4.2328, 0.4092, 0.5133



# Inverse Universe

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



9.2629, 0.1628, 0.0766



7.3385, 0.1515, 0.0608



15.5508, 0.2277, 0.1111



16.6980, 0.2989, 0.3045



3.7431, 0.1520, 0.0611

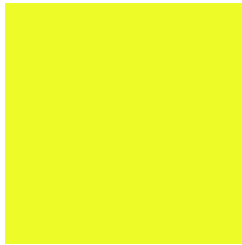


0.3653, 0.1568, 0.0637



# Previews

## White Background



This preview shows how the Yxy color 87.1521, 0.4056, 0.5064 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

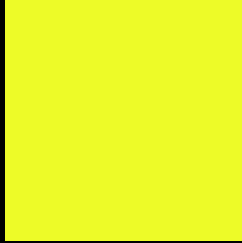
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.1521, 0.4056, 0.5064 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 87.1521, 0.4056, 0.5064**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.1521, 0.4056, 0.5064.



This preview shows how white text looks on a background with the Yxy color 87.1521, 0.4056, 0.5064.

# 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



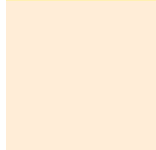
### Original Color

87.1521, 0.4056, 0.5064



### Protanopia

86.7945, 0.3625, 0.3912



### Deuteranopia

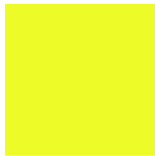
86.7347, 0.3390, 0.3510



## Tritanopia

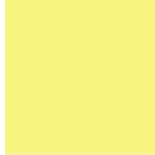
86.9447, 0.3149, 0.3116

# Trichromacy



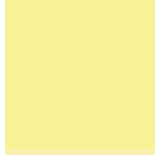
## Original Color

87.1521, 0.4056, 0.5064



## Protanomaly

86.2163, 0.3858, 0.4438



## Deuteranomaly

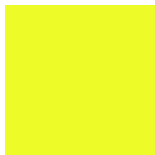
85.6951, 0.3736, 0.4210



## Tritanomaly

85.3718, 0.3594, 0.3954

# Monochromacy



## Original Color

87.1521, 0.4056, 0.5064



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

77.1721, 0.3588, 0.4124

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.1521, 0.4056, 0.5064 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(237, 251, 40)` looks like.

```
.text, #text, p{  
    color:rgb(237, 251, 40)  
}
```

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(237, 251, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 251, 40) }
```

## Border

The CSS property to change the border of an element to Yxy 87.1521, 0.4056, 0.5064 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(237, 251, 40) }
```

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

```
.border{ border-color:rgb(237, 251, 40) }
```

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

Here you see how a box with a 4 pixel rgb(237, 251, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 251, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 251, 40);  
box-shadow:4px 4px 4px 4px rgb(237, 251,  
40) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.1521, 0.4056, 0.5064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 251, 40) }
```

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

```
.background{ background-color: rgb(237,  
251, 40) }
```

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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