

# Converting Colors

$Y_{xy}(88.7734, 0.3991, 0.5053)$

Have a look what the booklet for  
Yxy(88.7734, 0.3991, 0.5053)  
contains.

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# Color

**Yxy(88.6331, 0.3991, 0.5052)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">EAFE35</a>
RGB	<a href="#">234, 254, 53</a>
RGB Percent	<a href="#">92%, 100%, 21%</a>
CMY	<a href="#">0.0823, 0.0039, 0.7920</a>
CMYK	<a href="#">0.08, 0.00, 0.79, 0.00</a>
HSL	<a href="#">66°, 99%, 60%</a>
HSV	<a href="#">66°, 79%, 100%</a>
XYZ	<a href="#">70.0187, 88.6331, 16.7898</a>
YIQ	<a href="#">225.1060, 52.6010, -66.7510</a>

# Conversions

## Conversions Part 2

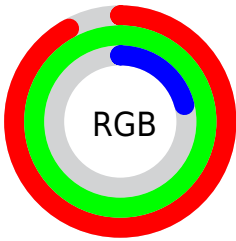
<b>Format</b>	<b>Color</b>
<b>RYB</b>	53, 254, 73
Decimal	15400501
CIELab	95.43, -28.71, 84.87
CIELCh	95, 89.593, 108.693
Yxy	88.6331, 0.3991, 0.5052
Android (android.graphics.Color)	4293590581 (0xFFEAFE35)
YUV	225.1060, -84.8483, 7.8000
Hunter-Lab	94.1452, -31.9979, 55.3279

# Details

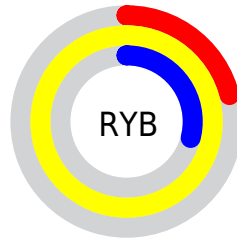
The Yxy color **88.6331, 0.3991, 0.5052** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **11.1242, 0.1715, 0.0870**, and the grayscale version is **75.9759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0644, 0.3912, 0.4588**, and **48.9312, 0.3988, 0.5215** is the 20% darker color. If you saturate the color by 10%, you get **88.0371, 0.4015, 0.5141**, and if you desaturate by 10%, it is **89.3671, 0.3940, 0.4917**.

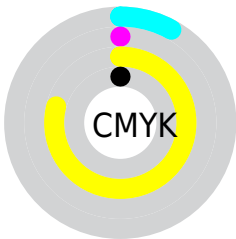
# Distribution



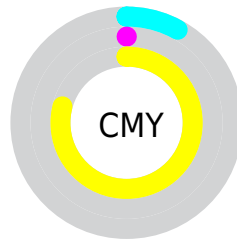
- Red (92%)
- Green (100%)
- Blue (21%)



- Red (21%)
- Yellow (100%)
- Blue (29%)



- Cyan (8%)
- Magenta (0%)
- Yellow (79%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (79%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.6331, 0.3991, 0.5052 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 88.6331, 0.3991, 0.5052 by changing the saturation by 10% instead.



 88.6331, 0.3991,  
0.5052

 88.6331, 0.3991,  
0.5052


523.5743, 0.3689,  
0.4294


 66.8475, 0.4030,  
0.5198


 145.4382, 0.3910,  
0.4809


 48.9607, 0.4062,  
0.5363


 181.2266, 0.3872,  
0.4708

 34.5883, 0.4080,  
0.5546


 222.4513, 0.3835,  
0.4618

 23.3459, 0.4071,  
0.5745

 269.4968, 0.3802,  
0.4539

 14.8491, 0.4025,  
0.5975

 322.7474, 0.3770,  
0.4468

 8.7136, 0.3853,  
0.6147

382.5876, 0.3741,


 4.5548, 0.3597,


0.4404


0.6403


449.4018, 0.3714,  
0.4346


 1.9885, 0.3175,  
0.6825


 0.6008, 0.0000,  
1.0000


 88.6331, 0.3991,  
0.5052


 88.6331, 0.3991,  
0.5052


 88.0371, 0.4015,  
0.5141


 89.3671, 0.3940,  
0.4917


 87.5412, 0.4017,  
0.5190


 90.2439, 0.3863,  
0.4740


 87.4996, 0.4016,  
0.5193

 91.2823, 0.3764,  
0.4527

 92.4948, 0.3647,  
0.4287

 93.8928, 0.3519,  
0.4033

 95.4867, 0.3384,  
0.3773

 97.2863, 0.3248,  
0.3516

99.2197, 0.3123,  
0.3281

99.3660, 0.3128,  
0.3281

# Harmonies

## Analogous

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



88.6331, 0.4742, 0.4479



88.6331, 0.3991, 0.5052



88.6331, 0.3075, 0.5088

# Triad

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



88.6331, 0.3991, 0.5052



88.6331, 0.1483, 0.2314



88.6331, 0.3944, 0.2507

# Complementary

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



88.6331, 0.3991, 0.5052



11.1242, 0.1715, 0.0870

# 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.



88.6331, 0.2908, 0.2064



88.6331, 0.3991, 0.5052



88.6331, 0.1628, 0.1916

# Square

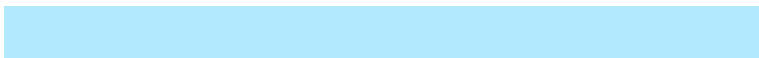
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.6331, 0.3991, 0.5052



88.6331, 0.1666, 0.3141



88.6331, 0.2097, 0.1854



88.6331, 0.4811, 0.3107



# Rectangle

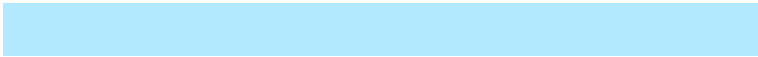
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.6331, 0.3991, 0.5052



88.6331, 0.2482, 0.4630



88.6331, 0.2097, 0.1854



88.6331, 0.3593, 0.2337

# Sweetspot

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



88.6372, 0.3991, 0.5052



95.5293, 0.3450, 0.3900



25.6831, 0.5795, 0.3406



20.3271, 0.3498, 0.3993



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.



88.6372, 0.3991, 0.5052



88.5199, 0.4018, 0.5173



76.4430, 0.3348, 0.5520



20.9935, 0.3254, 0.3526



46.1663, 0.4019, 0.5191



4.5205, 0.4040, 0.5174



# Inverse Universe

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



11.1242, 0.1715, 0.0870



7.8921, 0.1553, 0.0647



18.2824, 0.2395, 0.1223



17.4642, 0.2994, 0.3045



3.9114, 0.1533, 0.0618

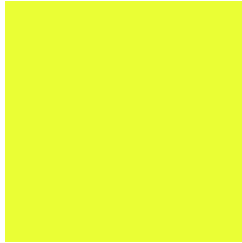


0.4083, 0.1598, 0.0654



# Previews

## White Background



This preview shows how the Yxy color 88.6331, 0.3991, 0.5052 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

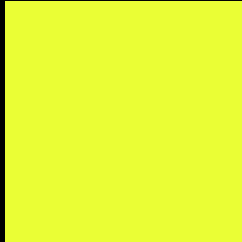
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.6331, 0.3991, 0.5052 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 88.6331, 0.3991, 0.5052**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.6331, 0.3991, 0.5052.



This preview shows how white text looks on a background with the Yxy color 88.6331, 0.3991, 0.5052.

# Color Blindness Simulation

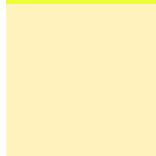
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



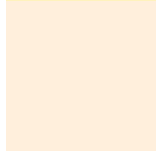
### Original Color

88.6331, 0.3991, 0.5052



### Protanopia

88.4384, 0.3550, 0.3820



### Deuteranopia

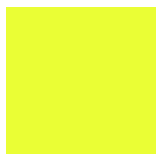
88.1603, 0.3355, 0.3479



## Tritanopia

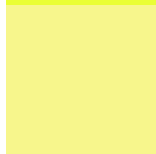
88.4838, 0.3116, 0.3116

# Trichromacy



## Original Color

88.6331, 0.3991, 0.5052



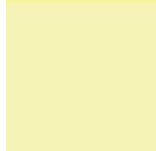
## Protanomaly

87.5791, 0.3777, 0.4350



## Deuteranomaly

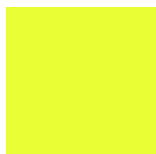
86.9787, 0.3674, 0.4152



## Tritanomaly

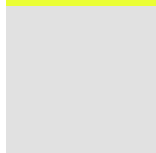
86.8911, 0.3521, 0.3915

# Monochromacy



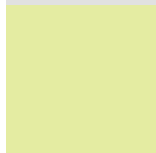
## Original Color

88.6331, 0.3991, 0.5052



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

79.0935, 0.3542, 0.4089

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.6331, 0.3991, 0.5052 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(234, 254, 53)` looks like.

```
.text, #text, p{  
    color:rgb(234, 254, 53)  
}
```

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(234, 254, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 254, 53) }
```

## Border

The CSS property to change the border of an element to Yxy 88.6331, 0.3991, 0.5052 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(234, 254, 53) }
```

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

```
.border{ border-color:rgb(234, 254, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 254, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 254, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 254, 53);  
box-shadow:4px 4px 4px 4px rgb(234, 254,  
53) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.6331, 0.3991, 0.5052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 254, 53) }
```

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

```
.background{ background-color: rgb(234,  
254, 53) }
```

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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