

Converting Colors

$Y_{xy}(83.3312, 0.4051, 0.4942)$

Have a look what the booklet for
Yxy(83.3312, 0.4051, 0.4942)
contains.

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Color

Yxy(83.0537, 0.4052, 0.4938)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | EDF43E |
| RGB | 237, 244, 62 |
| RGB Percent | 93%, 96%, 24% |
| CMY | 0.0705, 0.0431, 0.7571 |
| CMYK | 0.03, 0.00, 0.75, 0.04 |
| HSL | 62°, 89%, 60% |
| HSV | 62°, 75%, 96% |
| XYZ | 68.1518, 83.0537, 16.9875 |
| YIQ | 221.1590, 54.2500, -58.0860 |

Conversions

Conversions Part 2

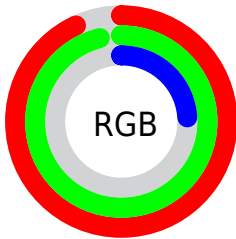
| Format | Color |
|-------------------------------------|---|
| RYB | 62, 244, 69 |
| Decimal | 15594558 |
| CIELab | 93.04, -22.47, 80.33 |
| CIELCh | 93, 83.411, 105.626 |
| Yxy | 83.0537, 0.4052, 0.4938 |
| Android (android.graphics.Color) | 4293784638 (0xFFEDF43E) |
| YUV | 221.1590, -78.4654, 13.8926 |
| Hunter-Lab | 91.1338, -25.9980, 52.7419 |

Details

The Yxy color **83.0537, 0.4052, 0.4938** 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 **11.2329, 0.1731, 0.0949**, and the grayscale version is **72.9588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2101, 0.3884, 0.4541**, and **45.3136, 0.4091, 0.5133** is the 20% darker color. If you saturate the color by 10%, you get **82.6870, 0.4099, 0.5035**, and if you desaturate by 10%, it is **83.5490, 0.3978, 0.4796**.

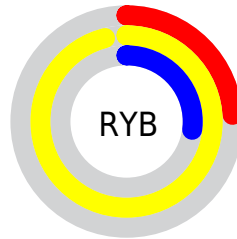
Distribution



Red (93%)

Green (96%)

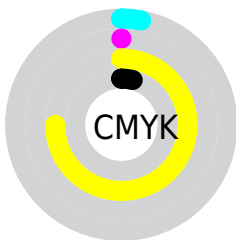
Blue (24%)



Red (24%)

Yellow (96%)

Blue (27%)

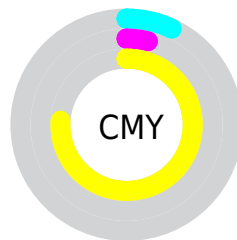


Cyan (3%)

Magenta (0%)

Yellow (75%)

Black (4%)



Cyan (7%)


Magenta (4%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0537, 0.4052, 0.4938 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 83.0537, 0.4052, 0.4938 by changing the saturation by 10% instead.


 83.0537, 0.4052,
0.4938


 83.0537, 0.4052,
0.4938

505.1655, 0.3708,
0.4225


 62.2345, 0.4103,
0.5076


 137.6507, 0.3954,
0.4708

 45.2222, 0.4150,
0.5233


 172.1972, 0.3910,
0.4613


 31.6325, 0.4187,
0.5406


 212.0882, 0.3869,
0.4529

 21.0809, 0.4201,
0.5593

 257.7082, 0.3831,
0.4455

 13.1832, 0.4187,
0.5813

 309.4416, 0.3796,
0.4388

 7.5548, 0.4042,
0.5958

367.6726, 0.3765,

 3.8114, 0.3821,

0.4328

0.6179

432.7858, 0.3735,
0.4274

■ 1.5686, 0.3442,
0.6558

■ 0.3363, 0.0000,
1.0000

■ 83.0537, 0.4052,
0.4938

■ 83.0537, 0.4052,
0.4938

■ 82.6870, 0.4099,
0.5035

■ 83.5490, 0.3978,
0.4796


■ 82.4199, 0.4121,
0.5090


■ 84.1757, 0.3879,
0.4614

■ 82.3049, 0.4126,
0.5106


■ 84.9498, 0.3760,
0.4399


■ 85.8823, 0.3626,
0.4161

 86.9831, 0.3483,
0.3909

 88.2611, 0.3337,
0.3654

 89.7249, 0.3192,
0.3403

 91.2434, 0.3065,
0.3182

 91.4113, 0.3071,
0.3183

Harmonies

Analogous

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



83.0537, 0.4737, 0.4379



83.0537, 0.4052, 0.4938



83.0537, 0.3179, 0.5025

Triad

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



83.0537, 0.4052, 0.4938



83.0537, 0.1548, 0.2423



83.0537, 0.3806, 0.2488

Complementary

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



83.0537, 0.4052, 0.4938



11.2329, 0.1731, 0.0949

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.



83.0537, 0.2828, 0.2079



83.0537, 0.4052, 0.4938



83.0537, 0.1656, 0.1995

Square

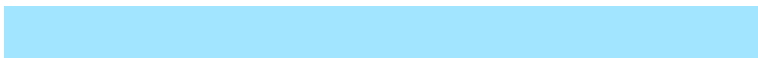
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0537, 0.4052, 0.4938



83.0537, 0.1765, 0.3258



83.0537, 0.2079, 0.1901



83.0537, 0.4668, 0.3059

Rectangle

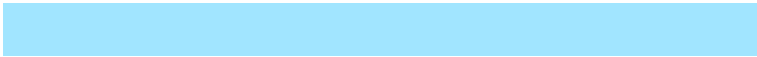
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.0537, 0.4052, 0.4938



83.0537, 0.2600, 0.4643



83.0537, 0.2079, 0.1901



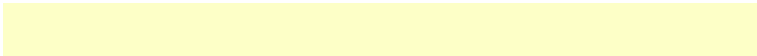
83.0537, 0.3471, 0.2329

Sweetspot

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



83.0576, 0.4052, 0.4938



96.4939, 0.3446, 0.3844



23.7159, 0.5671, 0.3342



20.5759, 0.3486, 0.3913



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.



83.0576, 0.4052, 0.4938



91.2245, 0.4115, 0.5071



71.2418, 0.3417, 0.5381



19.2794, 0.3263, 0.3524



44.7678, 0.4127, 0.5105



3.9446, 0.4136, 0.5098

Inverse Universe

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



11.2329, 0.1731, 0.0949



8.2817, 0.1557, 0.0676



17.3459, 0.2363, 0.1267



15.9570, 0.2985, 0.3046



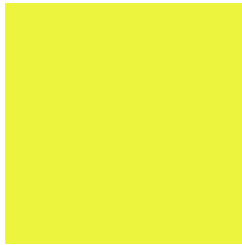
3.5975, 0.1512, 0.0606



0.3266, 0.1541, 0.0623

Previews

White Background



This preview shows how the Yxy color 83.0537, 0.4052, 0.4938 looks on a white background.

Color Contrast Check

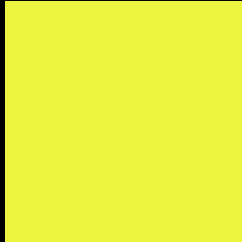
Large Text (above 18pt) WCAG AA × Fail

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 83.0537, 0.4052, 0.4938 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 83.0537, 0.4052, 0.4938

Background



This preview shows how black text looks on a background with the Yxy color 83.0537, 0.4052, 0.4938.



This preview shows how white text looks on a background with the Yxy color 83.0537, 0.4052, 0.4938.

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

83.0537, 0.4052, 0.4938

Protanopia

82.7210, 0.3851, 0.4188

Deuteranopia

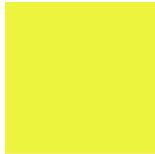
82.6289, 0.3494, 0.3593



Tritanopia

82.9620, 0.3190, 0.3123

Trichromacy



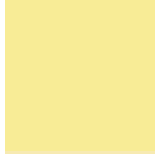
Original Color

83.0537, 0.4052, 0.4938



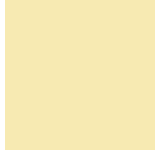
Protanomaly

82.3433, 0.3955, 0.4499



Deuteranomaly

82.1494, 0.3764, 0.4167



Tritanomaly

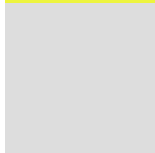
81.8341, 0.3584, 0.3868

Monochromacy



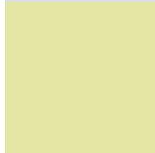
Original Color

83.0537, 0.4052, 0.4938



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.0139, 0.3547, 0.4012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0537, 0.4052, 0.4938 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, 244, 62)` looks like.

```
.text, #text, p{  
    color:rgb(237, 244, 62)  
}
```

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, 244, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 244, 62) }
```

Border

The CSS property to change the border of an element to Yxy 83.0537, 0.4052, 0.4938 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, 244, 62) }
```

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

```
.border{ border-color:rgb(237, 244, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 244, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 244, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 244, 62);  
box-shadow:4px 4px 4px 4px rgb(237, 244,  
62) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 83.0537, 0.4052, 0.4938$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 244, 62) }
```

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

```
.background{ background-color: rgb(237,  
244, 62) }
```

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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