

Converting Colors

Yxy(87.8946, 0.4084, 0.5139)

Have a look what the booklet for
Yxy(87.8946, 0.4084, 0.5139)
contains.

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Color

Yxy(87.6253, 0.4088, 0.5136)

Conversions

Conversions Part 1

Format	Color
Hex	EDFC00
RGB	237, 252, 0
RGB Percent	93%, 99%, 0%
CMY	0.0704, 0.0118, 0.9996
CMYK	0.06, 0.00, 1.00, 0.01
HSL	64°, 100%, 49%
HSV	64°, 100%, 99%
XYZ	69.7454, 87.6253, 13.2393
YIQ	218.7870, 71.9520, -81.5520

Conversions

Conversions Part 2

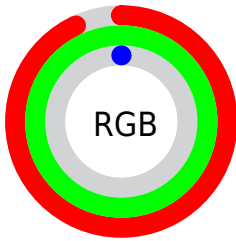
Format	Color
R_{YB}	0, 252, 15
Decimal	15596544
CIE _{Lab}	95.00, -27.48, 92.30
CIE _{LCh}	95, 96.304, 106.577
Yxy	87.6253, 0.4088, 0.5136
Android (android.graphics.Color)	4293786624 (0xFFEDFC00)
YUV	218.7870, -107.8620, 15.9728
Hunter-Lab	93.6084, -30.8186, 57.1403

Details

The Yxy color **87.6253, 0.4088, 0.5136** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.1324, 0.1513, 0.0607**, and the grayscale version is **71.4230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **48.7100, 0.4014, 0.5194** is the 20% darker color. If you saturate the color by 10%, you get **87.6280, 0.4088, 0.5136**, and if you desaturate by 10%, it is **87.9594, 0.4081, 0.5096**.

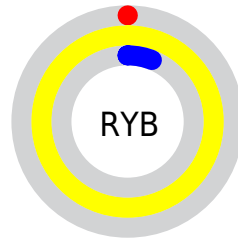
Distribution



Red (93%)

Green (99%)

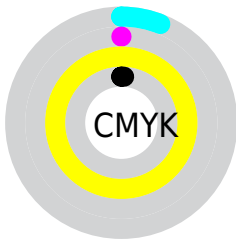
Blue (0%)



Red (0%)

Yellow (99%)

Blue (6%)

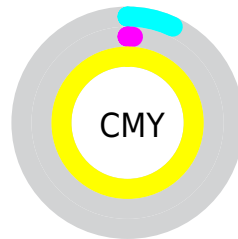


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (7%)


Magenta (1%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6253, 0.4088, 0.5136 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 87.6253, 0.4088, 0.5136 by changing the saturation by 10% instead.


 87.6253, 0.4088,
0.5136


 87.6253, 0.4088,
0.5136


520.2754, 0.3763,
0.4361


 66.0128, 0.4125,
0.5278


 144.0354, 0.4005,
0.4894


 48.2828, 0.4153,
0.5434

 179.6018, 0.3964,
0.4791


 34.0509, 0.4162,
0.5600


 220.5882, 0.3925,
0.4699


 22.9327, 0.4156,
0.5799

 267.3791, 0.3888,
0.4617

 14.5438, 0.4057,
0.5943

 320.3589, 0.3853,
0.4543

 8.4999, 0.3890,
0.6110


 379.9119, 0.3821,


 4.4164, 0.3641,


0.4477


0.6359


446.4226, 0.3791,
0.4416

 1.9091, 0.3227,
0.6773


 0.5539, 0.0000,
1.0000


 87.6253, 0.4088,
0.5136


 87.6253, 0.4088,
0.5136

 87.6280, 0.4088,
0.5136

 87.9594, 0.4081,
0.5096


 88.3834, 0.4051,
0.5019

 88.9295, 0.3995,
0.4897

 89.6147, 0.3913,
0.4731

 90.4534, 0.3808,
0.4528

 91.4581, 0.3685,
0.4298

 92.6401, 0.3550,
0.4049

 94.0097, 0.3409,
0.3792

 95.5762, 0.3266,
0.3537

Harmonies

Analogous

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



87.6253, 0.4877, 0.4474



87.6253, 0.4088, 0.5136



87.6253, 0.3120, 0.5273

Triad

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



87.6253, 0.4088, 0.5136



87.6253, 0.1388, 0.2283



87.6253, 0.3924, 0.2414

Complementary

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



87.6253, 0.4088, 0.5136



7.1324, 0.1513, 0.0607

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.



87.6253, 0.2814, 0.1966



87.6253, 0.4088, 0.5136



87.6253, 0.1519, 0.1845

Square

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



87.6253, 0.4088, 0.5136



87.6253, 0.1597, 0.3197



87.6253, 0.1982, 0.1764



87.6253, 0.4893, 0.3033

Rectangle

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



87.6253, 0.4088, 0.5136



87.6253, 0.2485, 0.4825



87.6253, 0.1982, 0.1764



87.6253, 0.3542, 0.2241

Sweetspot

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



87.6294, 0.4088, 0.5136



95.1631, 0.3551, 0.4050



20.9751, 0.6375, 0.3320



20.2544, 0.3609, 0.4157



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.



87.6294, 0.4088, 0.5136



90.0204, 0.4088, 0.5136



73.1594, 0.3288, 0.5771



20.1352, 0.3260, 0.3525



45.6716, 0.4090, 0.5135



4.2455, 0.4103, 0.5124

Inverse Universe

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



7.1324, 0.1513, 0.0607



7.3228, 0.1513, 0.0607



12.4888, 0.2107, 0.0934



16.6922, 0.2988, 0.3045



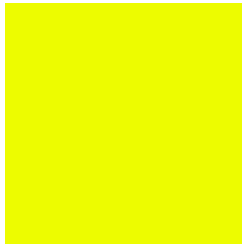
3.7337, 0.1518, 0.0610



0.3625, 0.1561, 0.0634

Previews

White Background



This preview shows how the Yxy color 87.6253, 0.4088, 0.5136 looks on a white background.

Color Contrast Check

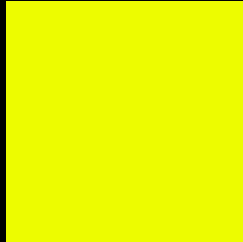
Large Text (above 18pt) WCAG AA × Fail

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 87.6253, 0.4088, 0.5136 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 87.6253, 0.4088, 0.5136

Background



This preview shows how black text looks on a background with the Yxy color 87.6253, 0.4088, 0.5136.

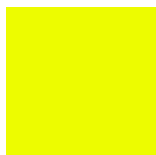


This preview shows how white text looks on a background with the Yxy color 87.6253, 0.4088, 0.5136.

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



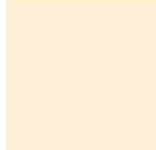
Original Color

87.6253, 0.4088, 0.5136



Protanopia

87.5480, 0.3597, 0.3881



Deuteranopia

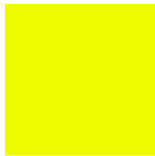
87.3669, 0.3382, 0.3509



Tritanopia

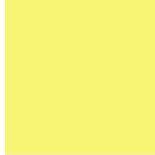
87.1975, 0.3149, 0.3107

Trichromacy



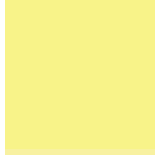
Original Color

87.6253, 0.4088, 0.5136



Protanomaly

86.5222, 0.3915, 0.4546



Deuteranomaly

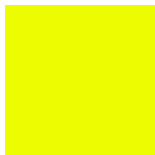
85.8638, 0.3813, 0.4349



Tritanomaly

85.4403, 0.3679, 0.4104

Monochromacy



Original Color

87.6253, 0.4088, 0.5136



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

75.1847, 0.3685, 0.4288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6253, 0.4088, 0.5136 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, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 252, 0)  
}
```

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, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 252, 0) }
```

Border

The CSS property to change the border of an element to Yxy 87.6253, 0.4088, 0.5136 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, 252, 0) }
```

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

```
.border{ border-color:rgb(237, 252, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 252, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 252,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6253, 0.4088, 0.5136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 252, 0) }
```

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

```
.background{ background-color: rgb(237,  
252, 0) }
```

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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