

Converting Colors

Yxy(82.4684, 0.4243, 0.5013)

Have a look what the booklet for
Yxy(82.4684, 0.4243, 0.5013)
contains.

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Color

Yxy(82.6848, 0.4237, 0.5018)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | F7F100 |
| RGB | 247, 241, 0 |
| RGB Percent | 97%, 95%, 0% |
| CMY | 0.0313, 0.0549, 1.0000 |
| CMYK | 0.00, 0.02, 1.00, 0.03 |
| HSL | 59°, 100%, 48% |
| HSV | 59°, 100%, 97% |
| XYZ | 69.8158, 82.6848, 12.2758 |
| YIQ | 215.3200, 80.9370, -73.6790 |

Conversions

Conversions Part 2

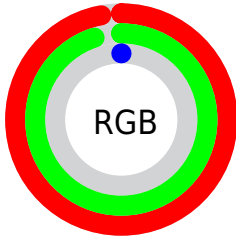
| Format | Color |
|-------------------------------------|---|
| RYB | 6, 247, 0 |
| Decimal | 16249088 |
| CIELab | 92.88, -18.16, 91.10 |
| CIELCh | 93, 92.891, 101.272 |
| Yxy | 82.6848, 0.4237, 0.5018 |
| Android (android.graphics.Color) | 4294439168 (0xFFFF7F100) |
| YUV | 215.3200, -106.1528, 27.7834 |
| Hunter-Lab | 90.9312, -22.0796, 55.6476 |

Details

The Yxy color **82.6848, 0.4237, 0.5018** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **6.8466, 0.1503, 0.0611**, and the grayscale version is **68.8805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **45.1370, 0.4203, 0.5045** is the 20% darker color. If you saturate the color by 10%, you get **82.6889, 0.4237, 0.5018**, and if you desaturate by 10%, it is **83.1142, 0.4214, 0.4991**.

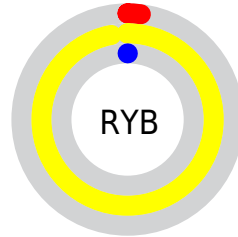
Distribution



Red (97%)

Green (95%)

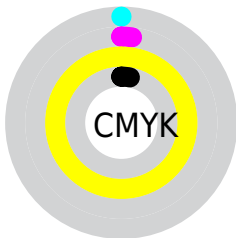
Blue (0%)



Red (2%)

Yellow (97%)

Blue (0%)

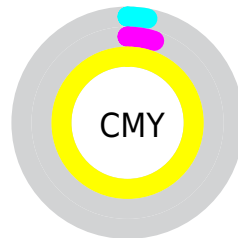


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (5%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.6848, 0.4237, 0.5018 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 82.6848, 0.4237, 0.5018 by changing the saturation by 10% instead.

 82.6848, 0.4237,
0.5018

 82.6848, 0.4237,
0.5018

503.9354, 0.3838,
0.4306


 61.9302, 0.4291,
0.5144


 137.1339, 0.4128,
0.4799

 44.9763, 0.4338,
0.5279


 171.5972, 0.4077,
0.4705

 31.4387, 0.4369,
0.5419


 211.3988, 0.4029,
0.4620

 20.9332, 0.4402,
0.5597

 256.9231, 0.3985,
0.4544

 13.0752, 0.4320,
0.5680

 308.5545, 0.3943,
0.4476

 7.4803, 0.4204,
0.5796

 366.6774, 0.3905,

 3.7643, 0.4025,

0.4413

0.5975

431.6763, 0.3870,
0.4357

■ 1.5426, 0.3720,
0.6280

■ 0.3184, 0.0000,
1.0000

■ 82.6848, 0.4237,
0.5018

■ 82.6848, 0.4237,
0.5018

■ 82.6889, 0.4237,
0.5018

■ 83.1142, 0.4214,
0.4991

■ 83.6279, 0.4168,
0.4927

■ 84.2572, 0.4095,
0.4819

■ 85.0184, 0.3996,
0.4668

■ 85.9250, 0.3875,
0.4479

■ 86.9891, 0.3736,
0.4262

■ 88.2214, 0.3586,
0.4025

■ 89.6316, 0.3431,
0.3778

■ 91.2287, 0.3277,
0.3531

Harmonies

Analogous

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



82.6848, 0.4957, 0.4335



82.6848, 0.4237, 0.5018



82.6848, 0.3297, 0.5279

Triad

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



82.6848, 0.4237, 0.5018



82.6848, 0.1420, 0.2423



82.6848, 0.3713, 0.2333

Complementary

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



82.6848, 0.4237, 0.5018



6.8466, 0.1503, 0.0611

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.



82.6848, 0.2649, 0.1929



82.6848, 0.4237, 0.5018



82.6848, 0.1493, 0.1912

Square

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



82.6848, 0.4237, 0.5018



82.6848, 0.1696, 0.3409



82.6848, 0.1891, 0.1775



82.6848, 0.4731, 0.2923

Rectangle

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



82.6848, 0.4237, 0.5018



82.6848, 0.2658, 0.4954



82.6848, 0.1891, 0.1775



82.6848, 0.3339, 0.2173

Sweetspot

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



82.6889, 0.4237, 0.5018



94.8330, 0.3587, 0.4026



19.7943, 0.6376, 0.3286



20.1736, 0.3651, 0.4128



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.



82.6889, 0.4237, 0.5018



88.8862, 0.4237, 0.5018



71.4133, 0.3401, 0.5682



19.2403, 0.3269, 0.3518



43.7592, 0.4236, 0.5019



3.8675, 0.4230, 0.5023

Inverse Universe

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



6.8466, 0.1503, 0.0611



7.3546, 0.1503, 0.0610



10.3794, 0.1942, 0.0844



15.9912, 0.2979, 0.3051



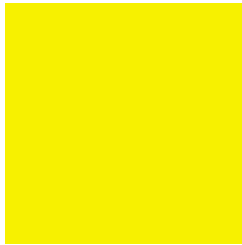
3.6498, 0.1504, 0.0615



0.3431, 0.1515, 0.0653

Previews

White Background



This preview shows how the Yxy color 82.6848, 0.4237, 0.5018 looks on a white background.

Color Contrast Check

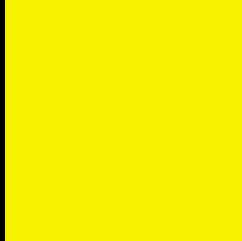
Large Text (above 18pt) WCAG AA × Fail

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 82.6848, 0.4237, 0.5018 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 82.6848, 0.4237, 0.5018

Background



This preview shows how black text looks on a background with the Yxy color 82.6848, 0.4237, 0.5018.



This preview shows how white text looks on a background with the Yxy color 82.6848, 0.4237, 0.5018.

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

82.6848, 0.4237, 0.5018

Protanopia

82.6297, 0.3869, 0.4216

Deuteranopia

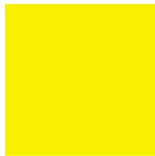
82.5353, 0.3508, 0.3614



Tritanopia

82.4894, 0.3237, 0.3162

Trichromacy



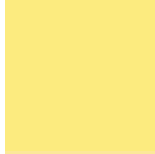
Original Color

82.6848, 0.4237, 0.5018



Protanomaly

82.0020, 0.4107, 0.4660



Deuteranomaly

81.6444, 0.3934, 0.4359



Tritanomaly

80.7086, 0.3790, 0.4092

Monochromacy



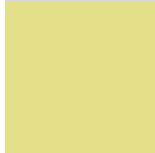
Original Color

82.6848, 0.4237, 0.5018



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.4483, 0.3731, 0.4242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6848, 0.4237, 0.5018 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(247, 241, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 241, 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(247, 241, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 241, 0) }
```

Border

The CSS property to change the border of an element to Yxy 82.6848, 0.4237, 0.5018 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(247, 241, 0) }
```

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

```
.border{ border-color:rgb(247, 241, 0) }
```

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

Here you see how a box with a 4 pixel rgb(247, 241, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 241, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 241, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 241,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6848, 0.4237, 0.5018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 241, 0) }
```

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

```
.background{ background-color: rgb(247,  
241, 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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