

Converting Colors

$Y_{xy}(82.7879, 0.4119, 0.4927)$

Have a look what the booklet for
Yxy(82.7879, 0.4119, 0.4927)
contains.

Yxy(82.6670, 0.4117, 0.4926)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.6670, 0.4117, 0.4926)

Conversions

Conversions Part 1

Format	Color
Hex	F2F238
RGB	242, 242, 56
RGB Percent	95%, 95%, 22%
CMY	0.0509, 0.0510, 0.7802
CMYK	0.00, 0.00, 0.77, 0.05
HSL	60°, 88%, 58%
HSV	60°, 77%, 95%
XYZ	69.0905, 82.6670, 16.0602
YIQ	220.7960, 59.7060, -57.8460

Conversions

Conversions Part 2

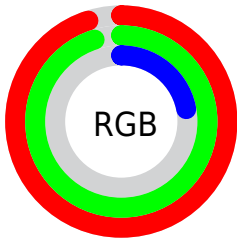
Format	Color
R_{YB}	56, 242, 56
Decimal	15921720
CIE _{Lab}	92.87, -19.69, 82.03
CIE _{LCh}	93, 84.362, 103.498
Yxy	82.6670, 0.4117, 0.4926
Android (android.graphics.Color)	4294111800 (0xFFFF2F238)
YUV	220.7960, -81.2444, 18.5959
Hunter-Lab	90.9214, -23.4715, 53.1721

Details

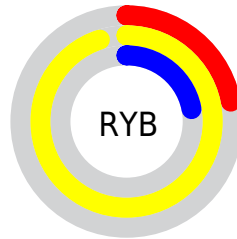
The Yxy color **82.6670, 0.4117, 0.4926** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **10.0885, 0.1672, 0.0884**, and the grayscale version is **72.7127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0880, 0.3907, 0.4580**, and **45.0629, 0.4156, 0.5082** is the 20% darker color. If you saturate the color by 10%, you get **82.4865, 0.4165, 0.5006**, and if you desaturate by 10%, it is **82.9696, 0.4042, 0.4802**.

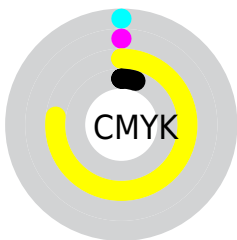
Distribution



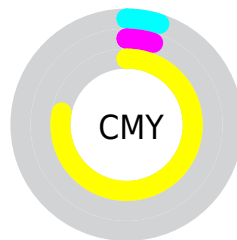
- Red (95%)
- Green (95%)
- Blue (22%)



- Red (22%)
- Yellow (95%)
- Blue (22%)



- Cyan (0%)
- Magenta (0%)
- Yellow (77%)
- Black (5%)




- Cyan (5%)
- Magenta (5%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.6670, 0.4117, 0.4926 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 82.6670, 0.4117, 0.4926 by changing the saturation by 10% instead.


 82.6670, 0.4117,
0.4926


 82.6670, 0.4117,
0.4926


503.8760, 0.3747,
0.4227

 61.9155, 0.4172,
0.5059


 137.1090, 0.4011,
0.4703

 44.9644, 0.4224,
0.5207


 171.5682, 0.3964,
0.4610


 31.4294, 0.4266,
0.5369


 211.3655, 0.3919,
0.4528

 20.9260, 0.4288,
0.5543

 256.8852, 0.3879,
0.4454

 13.0699, 0.4272,
0.5728

 308.5117, 0.3841,
0.4388

 7.4767, 0.4145,
0.5855

366.6294, 0.3807,

 3.7620, 0.3951,

0.4329

0.6049

431.6227, 0.3776,
0.4275

■ 1.5413, 0.3618,
0.6382

■ 0.3176, 0.0000,
1.0000

■ 82.6670, 0.4117,
0.4926

■ 82.6670, 0.4117,
0.4926

■ 82.4865, 0.4165,
0.5006

■ 82.9696, 0.4042,
0.4802


■ 82.3979, 0.4189,
0.5045


■ 83.3972, 0.3942,
0.4636


■ 82.3806, 0.4193,
0.5052

■ 83.9661, 0.3820,
0.4435


■ 84.6873, 0.3682,
0.4207

 85.5706, 0.3533,
0.3961

 86.6251, 0.3381,
0.3709

 87.8592, 0.3229,
0.3458

 89.2806, 0.3081,
0.3214

 89.6218, 0.3050,
0.3162

Harmonies

Analogous

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



82.6670, 0.4789, 0.4340



82.6670, 0.4117, 0.4926



82.6670, 0.3241, 0.5069

Triad

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



82.6670, 0.4117, 0.4926



82.6670, 0.1536, 0.2457



82.6670, 0.3742, 0.2443

Complementary

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



82.6670, 0.4117, 0.4926



10.0885, 0.1672, 0.0884

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.



82.6670, 0.2760, 0.2046



82.6670, 0.4117, 0.4926



82.6670, 0.1624, 0.1999

Square

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



82.6670, 0.4117, 0.4926



82.6670, 0.1779, 0.3330



82.6670, 0.2026, 0.1885



82.6670, 0.4639, 0.3010

Rectangle

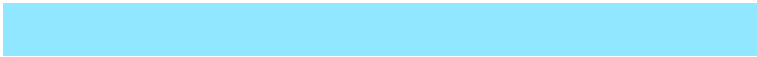
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.6670, 0.4117, 0.4926



82.6670, 0.2652, 0.4722



82.6670, 0.2026, 0.1885



82.6670, 0.3402, 0.2288

Sweetspot

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



82.6709, 0.4117, 0.4926



96.7766, 0.3476, 0.3866



22.0306, 0.5777, 0.3277



20.6267, 0.3531, 0.3957



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.



82.6709, 0.4117, 0.4926



92.8125, 0.4181, 0.5031



70.4919, 0.3472, 0.5385



18.4587, 0.3268, 0.3523



44.2462, 0.4193, 0.5052



3.6810, 0.4193, 0.5052

Inverse Universe

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



10.0885, 0.1672, 0.0884



7.8886, 0.1529, 0.0649



15.3490, 0.2252, 0.1180



15.2291, 0.2979, 0.3046



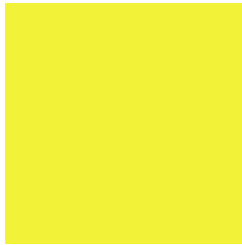
3.4445, 0.1500, 0.0600



0.2867, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 82.6670, 0.4117, 0.4926 looks on a white background.

Color Contrast Check

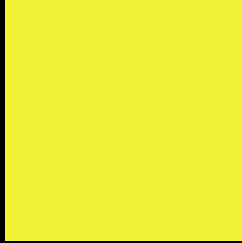
Large Text (above 18pt) WCAG AA × Fail

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 82.6670, 0.4117, 0.4926 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 82.6670, 0.4117, 0.4926

Background



This preview shows how black text looks on a background with the Yxy color 82.6670, 0.4117, 0.4926.



This preview shows how white text looks on a background with the Yxy color 82.6670, 0.4117, 0.4926.

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

82.6670, 0.4117, 0.4926

Protanopia

82.6297, 0.3869, 0.4216

Deuteranopia

82.5820, 0.3501, 0.3603



Tritanopia

82.6090, 0.3224, 0.3143

Trichromacy



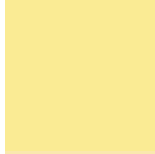
Original Color

82.6670, 0.4117, 0.4926



Protanomaly

82.6208, 0.3990, 0.4524



Deuteranomaly

81.8788, 0.3795, 0.4172



Tritanomaly

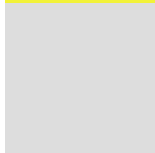
81.0932, 0.3638, 0.3885

Monochromacy



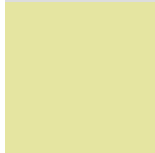
Original Color

82.6670, 0.4117, 0.4926



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.2698, 0.3575, 0.4030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6670, 0.4117, 0.4926 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(242, 242, 56)` looks like.

```
.text, #text, p{  
    color:rgb(242, 242, 56)  
}
```

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(242, 242, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 242, 56) }
```

Border

The CSS property to change the border of an element to Yxy 82.6670, 0.4117, 0.4926 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(242, 242, 56) }
```

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

```
.border{ border-color:rgb(242, 242, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 242, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 242, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 242, 56);  
box-shadow:4px 4px 4px 4px rgb(242, 242,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6670, 0.4117, 0.4926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 242, 56) }
```

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

```
.background{ background-color: rgb(242,  
242, 56) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor