

Converting Colors

Yxy(82.9160, 0.4248, 0.4855)

Have a look what the booklet for
Yxy(82.9160, 0.4248, 0.4855)
contains.

Yxy(82.6481, 0.4251, 0.4852)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.6481, 0.4251, 0.4852)

Conversions

Conversions Part 1

Format	Color
Hex	FFEE33
RGB	255, 238, 51
RGB Percent	100%, 93%, 20%
CMY	0.0000, 0.0666, 0.7996
CMYK	0.00, 0.07, 0.80, 0.00
HSL	55°, 100%, 60%
HSV	55°, 80%, 100%
XYZ	72.4108, 82.6481, 15.2793
YIQ	221.7650, 70.1590, -54.5530

Conversions

Conversions Part 2

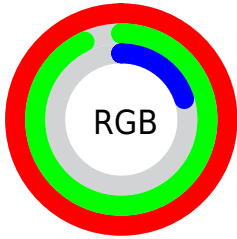
Format	Color
RYB	70, 255, 51
Decimal	16772659
CIELab	92.86, -12.57, 83.76
CIELCh	93, 84.696, 98.532
Yxy	82.6481, 0.4251, 0.4852
Android (android.graphics.Color)	4294962739 (0xFFFFEE33)
YUV	221.7650, -84.1871, 29.1471
Hunter-Lab	90.9110, -16.9187, 53.6729

Details

The Yxy color **82.6481, 0.4251, 0.4852** 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 **12.0702, 0.1661, 0.0933**, and the grayscale version is **73.4503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9949, 0.3926, 0.4610**, and **44.9252, 0.4306, 0.4963** is the 20% darker color. If you saturate the color by 10%, you get **81.2556, 0.4313, 0.4909**, and if you desaturate by 10%, it is **84.1862, 0.4161, 0.4749**.

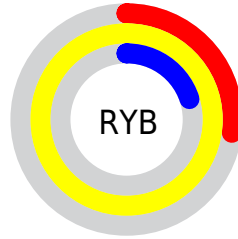
Distribution



Red (100%)

Green (93%)

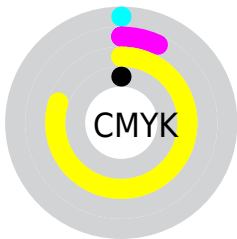
Blue (20%)



Red (27%)

Yellow (100%)

Blue (20%)

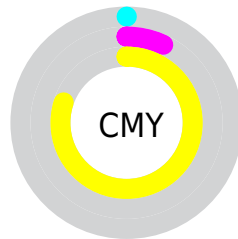


Cyan (0%)

Magenta (7%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (7%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.6481, 0.4251, 0.4852 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 82.6481, 0.4251, 0.4852 by changing the saturation by 10% instead.


 82.6481, 0.4251,
0.4852

 82.6481, 0.4251,
0.4852


503.8130, 0.3822,
0.4203


 61.8999, 0.4318,
0.4970


 137.0825, 0.4126,
0.4650

 44.9518, 0.4384,
0.5098


 171.5375, 0.4070,
0.4564


 31.4195, 0.4443,
0.5234


 211.3301, 0.4019,
0.4487

 20.9185, 0.4489,
0.5378

 256.8449, 0.3972,
0.4418

 13.0644, 0.4494,
0.5506

 308.4662, 0.3930,
0.4356

 7.4729, 0.4414,
0.5586

366.5784, 0.3891,

 3.7596, 0.4293,

0.4300

0.5707

431.5658, 0.3855,
0.4249

■ 1.5400, 0.4085,
0.5915

■ 0.3166, 0.0000,
1.0000

■ 82.6481, 0.4251,
0.4852

■ 82.6481, 0.4251,
0.4852

■ 81.2556, 0.4313,
0.4909

■ 84.1862, 0.4161,
0.4749


■ 79.9682, 0.4350,
0.4928

■ 85.8759, 0.4046,
0.4604


■ 79.9629, 0.4350,
0.4928

■ 87.7358, 0.3909,
0.4421

■ 89.7790, 0.3758,
0.4212

 92.0170, 0.3598,
0.3985

 94.4604, 0.3437,
0.3750

 97.1190, 0.3278,
0.3516

99.9959, 0.3127,
0.3290

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



82.6481, 0.4871, 0.4230



82.6481, 0.4251, 0.4852



82.6481, 0.3391, 0.5103

Triad

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



82.6481, 0.4251, 0.4852



82.6481, 0.1547, 0.2570



82.6481, 0.3575, 0.2360

Complementary

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



82.6481, 0.4251, 0.4852



12.0702, 0.1661, 0.0933

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.



82.6481, 0.2614, 0.1998



82.6481, 0.4251, 0.4852



82.6481, 0.1583, 0.2044

Square

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



82.6481, 0.4251, 0.4852



82.6481, 0.1849, 0.3509



82.6481, 0.1933, 0.1879



82.6481, 0.4522, 0.2907

Rectangle

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



82.6481, 0.4251, 0.4852



82.6481, 0.2791, 0.4850



82.6481, 0.1933, 0.1879



82.6481, 0.3235, 0.2215

Sweetspot

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



82.6520, 0.4251, 0.4852



93.4572, 0.3502, 0.3845



24.0531, 0.5768, 0.3192



19.8187, 0.3560, 0.3929



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.



82.6520, 0.4251, 0.4852



80.4779, 0.4337, 0.4923



80.3025, 0.3551, 0.5386



20.8166, 0.3271, 0.3506



41.8946, 0.4347, 0.4930



4.1524, 0.4328, 0.4946

Inverse Universe

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



12.0702, 0.1661, 0.0933



8.2443, 0.1528, 0.0675



14.8350, 0.2098, 0.1059



17.6207, 0.2979, 0.3065



4.1410, 0.1515, 0.0652



0.4826, 0.1546, 0.0764

Previews

White Background



This preview shows how the Yxy color 82.6481, 0.4251, 0.4852 looks on a white background.

Color Contrast Check

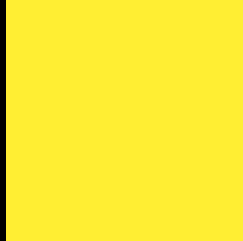
Large Text (above 18pt) WCAG AA × Fail

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 82.6481, 0.4251, 0.4852 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 82.6481, 0.4251, 0.4852

Background



This preview shows how black text looks on a background with the Yxy color 82.6481, 0.4251, 0.4852.



This preview shows how white text looks on a background with the Yxy color 82.6481, 0.4251, 0.4852.

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

82.6481, 0.4251, 0.4852

Protanopia

82.6598, 0.3863, 0.4206

Deuteranopia

82.5820, 0.3501, 0.3603



Tritanopia

82.3126, 0.3257, 0.3192

Trichromacy



Original Color

82.6481, 0.4251, 0.4852



Protanomaly

82.3767, 0.4043, 0.4497



Deuteranomaly

82.1810, 0.3849, 0.4170



Tritanomaly

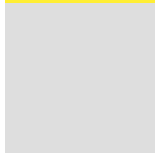
81.2764, 0.3711, 0.3918

Monochromacy



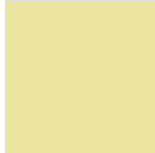
Original Color

82.6481, 0.4251, 0.4852



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

75.5173, 0.3622, 0.4021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6481, 0.4251, 0.4852 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(255, 238, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 51)  
}
```

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(255, 238, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 51) }
```

Border

The CSS property to change the border of an element to Yxy 82.6481, 0.4251, 0.4852 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".

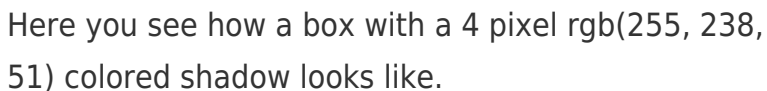
```
.border, #border, table{ border:4px solid rgb(255, 238, 51) }
```

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

```
.border{ border-color:rgb(255, 238, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 51)` colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6481, 0.4251, 0.4852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 51) }
```

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

```
.background{ background-color: rgb(255,  
238, 51) }
```

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