

Converting Colors

Yxy(80.6431, 0.4285, 0.4980)

Have a look what the booklet for
Yxy(80.6431, 0.4285, 0.4980)
contains.

| | |
|---|----|
| Yxy(80.7081, 0.4281, 0.4983) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(80.7081, 0.4281, 0.4983)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | F9ED00 |
| RGB | 249, 237, 0 |
| RGB Percent | 98%, 93%, 0% |
| CMY | 0.0237, 0.0705, 1.0000 |
| CMYK | 0.00, 0.05, 1.00, 0.02 |
| HSL | 57°, 100%, 49% |
| HSV | 57°, 100%, 98% |
| XYZ | 69.3380, 80.7081, 11.9208 |
| YIQ | 213.5700, 83.2290, -71.1630 |

Conversions

Conversions Part 2

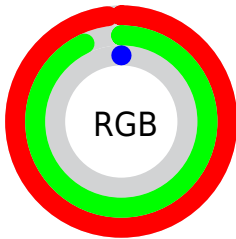
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 13, 249, 0 |
| Decimal | 16379136 |
| CIE Lab | 92.00, -15.42, 90.53 |
| CIE LCh | 92, 91.836, 99.665 |
| Yxy | 80.7081, 0.4281, 0.4983 |
| Android (android.graphics.Color) | 4294569216 (0xFFFF9ED00) |
| YUV | 213.5700, -105.2900, 31.0721 |
| Hunter-Lab | 89.8377, -19.4471, 55.0191 |

Details

The Yxy color **80.7081, 0.4281, 0.4983** 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 **7.0977, 0.1506, 0.0621**, and the grayscale version is **67.6190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **44.1473, 0.4250, 0.5008** is the 20% darker color. If you saturate the color by 10%, you get **80.7121, 0.4281, 0.4983**, and if you desaturate by 10%, it is **81.4750, 0.4252, 0.4959**.

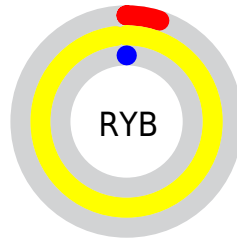
Distribution



Red (98%)

Green (93%)

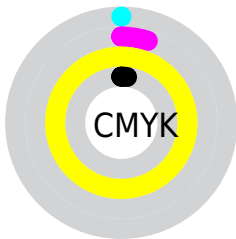
Blue (0%)



Red (5%)

Yellow (98%)

Blue (0%)

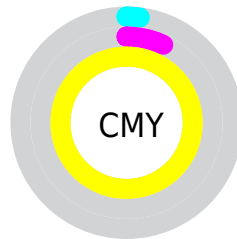


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (7%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7081, 0.4281, 0.4983 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 80.7081, 0.4281, 0.4983 by changing the saturation by 10% instead.


 80.7081, 0.4281,
0.4983


 80.7081, 0.4281,
0.4983


497.3160, 0.3859,
0.4288


 60.3012, 0.4340,
0.5104

 134.3608, 0.4164,
0.4770


 43.6615, 0.4392,
0.5234


 168.3755, 0.4110,
0.4679


 30.4045, 0.4430,
0.5366


 207.6948, 0.4059,
0.4596

 20.1458, 0.4470,
0.5530

 252.7033, 0.4013,
0.4522

 12.5011, 0.4399,
0.5601

 303.7852, 0.3969,
0.4455

 7.0859, 0.4297,
0.5703

 361.3250, 0.3930,

 3.5159, 0.4140,

0.4394

0.5860

425.7072, 0.3893,
0.4339

■ 1.4066, 0.3868,
0.6132

■ 0.2216, 0.0000,
1.0000

■ 80.7081, 0.4281,
0.4983

■ 80.7081, 0.4281,
0.4983


■ 80.7121, 0.4281,
0.4983

■ 81.4750, 0.4252,
0.4959

■ 82.3315, 0.4200,
0.4898


■ 83.3091, 0.4121,
0.4792


■ 84.4244, 0.4016,
0.4643

 85.6914, 0.3888,
0.4457

 87.1222, 0.3745,
0.4242

 88.7277, 0.3591,
0.4009

 90.5179, 0.3434,
0.3767

 92.5020, 0.3278,
0.3525

Harmonies

Analogous

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



80.7081, 0.4980, 0.4294



80.7081, 0.4281, 0.4983



80.7081, 0.3350, 0.5278

Triad

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



80.7081, 0.4281, 0.4983



80.7081, 0.1430, 0.2466



80.7081, 0.3651, 0.2309

Complementary

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



80.7081, 0.4281, 0.4983



7.0977, 0.1506, 0.0621

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.



80.7081, 0.2601, 0.1917



80.7081, 0.4281, 0.4983



80.7081, 0.1485, 0.1933

Square

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



80.7081, 0.4281, 0.4983



80.7081, 0.1726, 0.3473



80.7081, 0.1864, 0.1779



80.7081, 0.4682, 0.2890

Rectangle

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



80.7081, 0.4281, 0.4983



80.7081, 0.2709, 0.4990



80.7081, 0.1864, 0.1779



80.7081, 0.3279, 0.2153

Sweetspot

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



80.7121, 0.4281, 0.4983



93.6979, 0.3592, 0.4010



20.1585, 0.6364, 0.3279



19.8971, 0.3657, 0.4110



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.



80.7121, 0.4281, 0.4983



85.2302, 0.4281, 0.4983



73.0332, 0.3424, 0.5663



20.0397, 0.3270, 0.3513



43.2851, 0.4279, 0.4984



4.0516, 0.4268, 0.4993

Inverse Universe

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



7.0977, 0.1506, 0.0621



7.4883, 0.1506, 0.0620



10.2831, 0.1912, 0.0827



16.7763, 0.2979, 0.3056



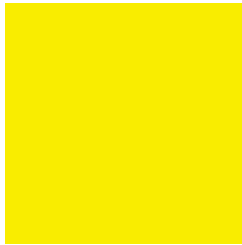
3.8574, 0.1508, 0.0629



0.4027, 0.1528, 0.0700

Previews

White Background



This preview shows how the Yxy color 80.7081, 0.4281, 0.4983 looks on a white background.

Color Contrast Check

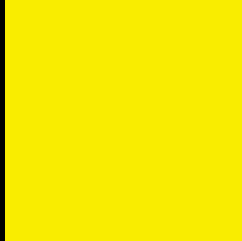
Large Text (above 18pt) WCAG AA × Fail

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 80.7081, 0.4281, 0.4983 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 80.7081, 0.4281, 0.4983

Background



This preview shows how black text looks on a background with the Yxy color 80.7081, 0.4281, 0.4983.



This preview shows how white text looks on a background with the Yxy color 80.7081, 0.4281, 0.4983.

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

80.7081, 0.4281, 0.4983

Protanopia

80.3537, 0.4005, 0.4376

Deuteranopia

80.5526, 0.3563, 0.3656



Tritanopia

80.6274, 0.3266, 0.3172

Trichromacy



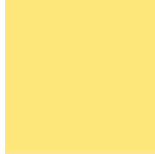
Original Color

80.7081, 0.4281, 0.4983



Protanomaly

80.2641, 0.4185, 0.4713



Deuteranomaly

79.4396, 0.3990, 0.4366



Tritanomaly

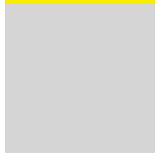
79.1233, 0.3828, 0.4092

Monochromacy



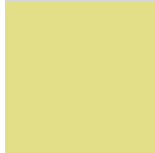
Original Color

80.7081, 0.4281, 0.4983



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

70.3510, 0.3745, 0.4233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7081, 0.4281, 0.4983 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(249, 237, 0)` looks like.

```
.text, #text, p{  
    color:rgb(249, 237, 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(249, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 237, 0) }
```

Border

The CSS property to change the border of an element to Yxy 80.7081, 0.4281, 0.4983 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(249, 237, 0) }
```

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

```
.border{ border-color:rgb(249, 237, 0) }
```

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

Here you see how a box with a 4 pixel rgb(249, 237, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 237, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 237, 0);  
box-shadow:4px 4px 4px 4px rgb(249, 237,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7081, 0.4281, 0.4983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 237, 0) }
```

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

```
.background{ background-color: rgb(249,  
237, 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](#).

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