

Converting Colors

Yxy(87.4880, 0.4145, 0.4819)

Have a look what the booklet for
Yxy(87.4880, 0.4145, 0.4819)
contains.

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Color

Yxy(87.6265, 0.4142, 0.4818)

Conversions

Conversions Part 1

Format	Color
Hex	FFF647
RGB	255, 246, 71
RGB Percent	100%, 96%, 28%
CMY	0.0000, 0.0353, 0.7213
CMYK	0.00, 0.04, 0.72, 0.00
HSL	57°, 100%, 64%
HSV	57°, 72%, 100%
XYZ	75.3319, 87.6265, 18.9148
YIQ	228.7410, 61.5390, -52.5170

Conversions

Conversions Part 2

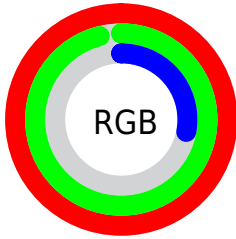
Format	Color
R _Y B	80, 255, 71
Decimal	16774727
CIE Lab	95.00, -15.74, 79.79
CIE LCh	95, 81.329, 101.163
Yxy	87.6265, 0.4142, 0.4818
Android (android.graphics.Color)	4294964807 (0xFFFFF647)
YUV	228.7410, -77.7663, 23.0291
Hunter-Lab	93.6090, -20.1679, 53.5461

Details

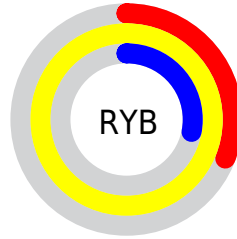
The Yxy color **87.6265, 0.4142, 0.4818** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **14.3058, 0.1756, 0.1068**, and the grayscale version is **78.7097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3917, 0.3850, 0.4484**, and **48.2962, 0.4230, 0.5024** is the 20% darker color. If you saturate the color by 10%, you get **86.6138, 0.4216, 0.4914**, and if you desaturate by 10%, it is **88.7898, 0.4042, 0.4678**.

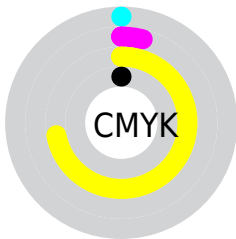
Distribution



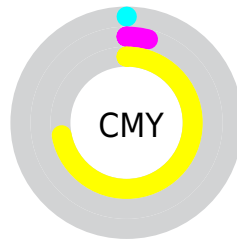
- Red (100%)
- Green (96%)
- Blue (28%)



- Red (31%)
- Yellow (100%)
- Blue (28%)



- Cyan (0%)
- Magenta (4%)
- Yellow (72%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6265, 0.4142, 0.4818 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 87.6265, 0.4142, 0.4818 by changing the saturation by 10% instead.

 87.6265, 0.4142,
0.4818

 87.6265, 0.4142,
0.4818


520.2793, 0.3754,
0.4173


 66.0138, 0.4204,
0.4940


 144.0371, 0.4028,
0.4613


 48.2836, 0.4267,
0.5077


 179.6037, 0.3978,
0.4528


 34.0515, 0.4325,
0.5226


 220.5904, 0.3931,
0.4452

 22.9332, 0.4368,
0.5385

 267.3816, 0.3889,
0.4384

 14.5442, 0.4413,
0.5587

 320.3617, 0.3851,
0.4323

 8.5001, 0.4320,
0.5680

379.9151, 0.3816,

 4.4166, 0.4181,

0.4268

0.5819

446.4262, 0.3784,
0.4218

■ 1.9092, 0.3949,
0.6051

■ 0.5539, 0.2042,
0.7958

■ 87.6265, 0.4142,
0.4818

■ 87.6265, 0.4142,
0.4818

■ 86.6138, 0.4216,
0.4914

■ 88.7898, 0.4042,
0.4678

■ 85.7208, 0.4262,
0.4966

■ 90.1066, 0.3918,
0.4499

■ 85.0834, 0.4283,
0.4981

■ 91.5944, 0.3777,
0.4290

■ 93.2649, 0.3625,
0.4060

■ 95.1289, 0.3468,
0.3819

■ 97.1963, 0.3311,
0.3577

■ 99.4764, 0.3159,
0.3339

■ 99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



87.6265, 0.4751, 0.4258



87.6265, 0.4142, 0.4818



87.6265, 0.3315, 0.4979

Triad

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



87.6265, 0.4142, 0.4818



87.6265, 0.1611, 0.2556



87.6265, 0.3637, 0.2446

Complementary

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



87.6265, 0.4142, 0.4818



14.3058, 0.1756, 0.1068

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.



87.6265, 0.2716, 0.2079



87.6265, 0.4142, 0.4818



87.6265, 0.1670, 0.2082

Square

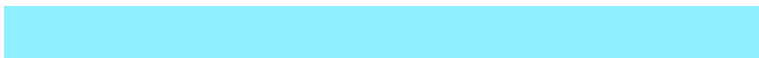
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.6265, 0.4142, 0.4818



87.6265, 0.1877, 0.3413



87.6265, 0.2036, 0.1944



87.6265, 0.4505, 0.2984

Rectangle

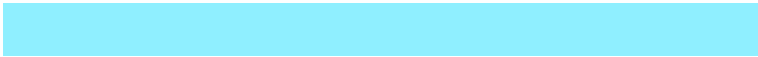
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.6265, 0.4142, 0.4818



87.6265, 0.2747, 0.4688



87.6265, 0.2036, 0.1944



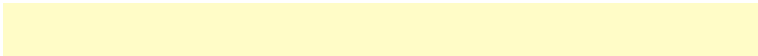
87.6265, 0.3316, 0.2301

Sweetspot

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



87.6306, 0.4142, 0.4818



95.1637, 0.3466, 0.3816



26.3561, 0.5504, 0.3227



20.2564, 0.3509, 0.3882



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.



87.6306, 0.4142, 0.4818



86.1732, 0.4241, 0.4945



80.7648, 0.3517, 0.5264



20.9297, 0.3270, 0.3514



44.5287, 0.4281, 0.4983



4.3805, 0.4270, 0.4991

Inverse Universe

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



14.3058, 0.1756, 0.1068



9.3458, 0.1575, 0.0752



18.5880, 0.2261, 0.1251



17.5199, 0.2978, 0.3056



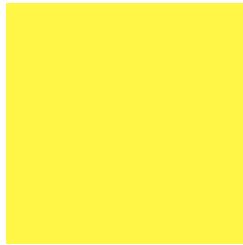
3.9753, 0.1508, 0.0629



0.4349, 0.1527, 0.0698

Previews

White Background



This preview shows how the Yxy color 87.6265, 0.4142, 0.4818 looks on a white background.

Color Contrast Check

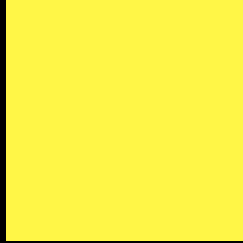
Large Text (above 18pt) WCAG AA × Fail

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 87.6265, 0.4142, 0.4818 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 87.6265, 0.4142, 0.4818

Background



This preview shows how black text looks on a background with the Yxy color 87.6265, 0.4142, 0.4818.

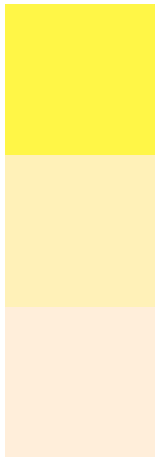


This preview shows how white text looks on a background with the Yxy color 87.6265, 0.4142, 0.4818.

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

87.6265, 0.4142, 0.4818

Protanopia

87.6313, 0.3584, 0.3861

Deuteranopia

87.4710, 0.3369, 0.3489



Tritanopia

87.2083, 0.3205, 0.3203

Trichromacy



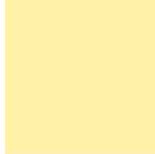
Original Color

87.6265, 0.4142, 0.4818



Protanomaly

87.3444, 0.3830, 0.4275



Deuteranomaly

86.8872, 0.3705, 0.4050



Tritanomaly

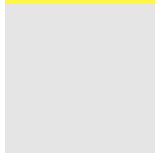
86.3292, 0.3609, 0.3873

Monochromacy



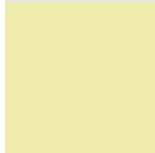
Original Color

87.6265, 0.4142, 0.4818



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.5724, 0.3554, 0.3954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6265, 0.4142, 0.4818 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, 246, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 71)  
}
```

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, 246, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 71) }
```

Border

The CSS property to change the border of an element to Yxy 87.6265, 0.4142, 0.4818 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, 246, 71) }
```

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

```
.border{ border-color:rgb(255, 246, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6265, 0.4142, 0.4818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 71) }
```

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

```
.background{ background-color: rgb(255,  
246, 71) }
```

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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