

Converting Colors

$Y_{xy}(100.0000, 0.4531, 0.4584)$

Have a look what the booklet for
Yxy(100.0000, 0.4531, 0.4584)
contains.

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Color

Yxy(88.1749, 0.4151, 0.4849)

Conversions

Conversions Part 1

Format	Color
Hex	FFF742
RGB	255, 247, 66
RGB Percent	100%, 97%, 26%
CMY	0.0000, 0.0313, 0.7414
CMYK	0.00, 0.03, 0.74, 0.00
HSL	57°, 100%, 63%
HSV	57°, 74%, 100%
XYZ	75.4824, 88.1749, 18.1841
YIQ	228.7580, 62.8690, -54.5950

Conversions

Conversions Part 2

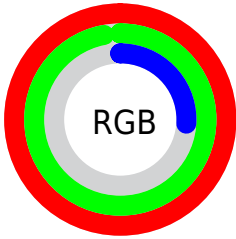
Format	Color
RYB	74, 255, 66
Decimal	16774978
CIELab	95.23, -16.43, 81.64
CIELCh	95, 83.282, 101.380
Yxy	88.1749, 0.4151, 0.4849
Android (android.graphics.Color)	4294965058 (0xFFFFF742)
YUV	228.7580, -80.2397, 23.0142
Hunter-Lab	93.9015, -20.8410, 54.2495

Details

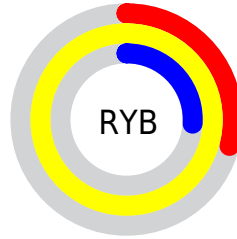
The Yxy color **88.1749, 0.4151, 0.4849** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **13.2635, 0.1723, 0.1005**, and the grayscale version is **78.7315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2864, 0.3869, 0.4517**, and **48.7309, 0.4220, 0.5031** is the 20% darker color. If you saturate the color by 10%, you get **87.2853, 0.4217, 0.4937**, and if you desaturate by 10%, it is **89.2104, 0.4058, 0.4717**.

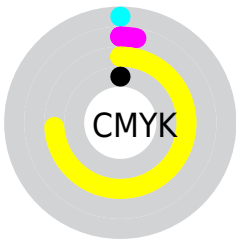
Distribution



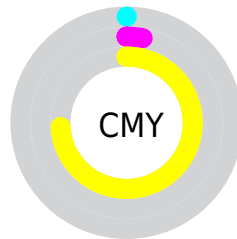
- Red (100%)
- Green (97%)
- Blue (26%)



- Red (29%)
- Yellow (100%)
- Blue (26%)



- Cyan (0%)
- Magenta (3%)
- Yellow (74%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.1749, 0.4151, 0.4849 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 88.1749, 0.4151, 0.4849 by changing the saturation by 10% instead.


 88.1749, 0.4151,
0.4849


 88.1749, 0.4151,
0.4849


522.0758, 0.3764,
0.4194

 66.4679, 0.4212,
0.4972


 144.8006, 0.4038,
0.4642

 48.6524, 0.4272,
0.5109


 180.4882, 0.3988,
0.4555

 34.3438, 0.4327,
0.5258


 221.6047, 0.3942,
0.4478

 23.1578, 0.4363,
0.5414

 268.5346, 0.3900,
0.4409

 14.7101, 0.4394,
0.5606

 321.6623, 0.3861,
0.4347

 8.6162, 0.4298,
0.5702

381.3721, 0.3826,

 4.4917, 0.4154,

0.4291

0.5846

448.0485, 0.3794,
0.4240

■ 1.9522, 0.3914,
0.6086

■ 0.5795, 0.2052,
0.7948

■ 88.1749, 0.4151,
0.4849

■ 88.1749, 0.4151,
0.4849

■ 87.2853, 0.4217,
0.4937

■ 89.2104, 0.4058,
0.4717

■ 86.5100, 0.4257,
0.4981

■ 90.3953, 0.3940,
0.4545

■ 86.0947, 0.4270,
0.4991

■ 91.7473, 0.3804,
0.4340

■ 93.2785, 0.3655,
0.4112

■ 94.9999, 0.3499,
0.3872

■ 96.9215, 0.3342,
0.3627

■ 99.0526, 0.3189,
0.3387

■ 99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



88.1749, 0.4777, 0.4275



88.1749, 0.4151, 0.4849



88.1749, 0.3308, 0.5018

Triad

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



88.1749, 0.4151, 0.4849



88.1749, 0.1584, 0.2534



88.1749, 0.3654, 0.2434

Complementary

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



88.1749, 0.4151, 0.4849



13.2635, 0.1723, 0.1005

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.



88.1749, 0.2713, 0.2060



88.1749, 0.4151, 0.4849



88.1749, 0.1647, 0.2056

Square

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



88.1749, 0.4151, 0.4849



88.1749, 0.1849, 0.3406



88.1749, 0.2020, 0.1920



88.1749, 0.4540, 0.2980

Rectangle

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



88.1749, 0.4151, 0.4849



88.1749, 0.2730, 0.4718



88.1749, 0.2020, 0.1920



88.1749, 0.3326, 0.2286

Sweetspot

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



88.1790, 0.4151, 0.4849



95.3954, 0.3465, 0.3819



25.6619, 0.5596, 0.3229



20.3120, 0.3508, 0.3886



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.



88.1790, 0.4151, 0.4849



86.8962, 0.4239, 0.4963



80.4491, 0.3516, 0.5306



20.9513, 0.3270, 0.3515



45.0447, 0.4269, 0.4992



4.4251, 0.4260, 0.5000

Inverse Universe

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



13.2635, 0.1723, 0.1005



8.8310, 0.1558, 0.0716



17.6893, 0.2232, 0.1205



17.5007, 0.2978, 0.3055



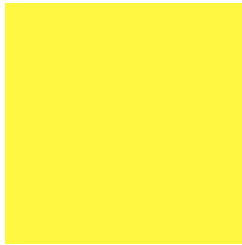
3.9481, 0.1507, 0.0625



0.4258, 0.1524, 0.0685

Previews

White Background



This preview shows how the Yxy color 88.1749, 0.4151, 0.4849 looks on a white background.

Color Contrast Check

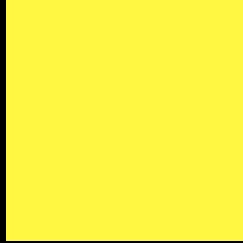
Large Text (above 18pt) WCAG AA × Fail

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 88.1749, 0.4151, 0.4849 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 88.1749, 0.4151, 0.4849

Background



This preview shows how black text looks on a background with the Yxy color 88.1749, 0.4151, 0.4849.



This preview shows how white text looks on a background with the Yxy color 88.1749, 0.4151, 0.4849.

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

88.1749, 0.4151, 0.4849

Protanopia

87.7585, 0.3565, 0.3831

Deuteranopia

88.1075, 0.3361, 0.3489



Tritanopia

87.8435, 0.3198, 0.3203

Trichromacy



Original Color

88.1749, 0.4151, 0.4849



Protanomaly

87.3444, 0.3830, 0.4275



Deuteranomaly

87.4086, 0.3714, 0.4078



Tritanomaly

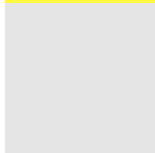
86.8755, 0.3613, 0.3892

Monochromacy



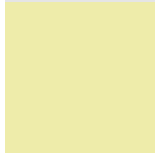
Original Color

88.1749, 0.4151, 0.4849



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

81.0703, 0.3564, 0.3985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.1749, 0.4151, 0.4849 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, 247, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 66)  
}
```

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, 247, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 66) }
```

Border

The CSS property to change the border of an element to Yxy 88.1749, 0.4151, 0.4849 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, 247, 66) }
```

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

```
.border{ border-color:rgb(255, 247, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 88.1749, 0.4151, 0.4849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 66) }
```

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

```
.background{ background-color: rgb(255,  
247, 66) }
```

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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