

Converting Colors

$Y_{xy}(70.8740, 0.4187, 0.4877)$

Have a look what the booklet for
Yxy(70.8740, 0.4187, 0.4877)
contains.

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Color

Yxy(70.8740, 0.4187, 0.4877)

Conversions

Conversions Part 1

Format	Color
Hex	E9E033
RGB	233, 224, 51
RGB Percent	91%, 88%, 20%
CMY	0.0864, 0.1215, 0.8001
CMYK	0.00, 0.04, 0.78, 0.09
HSL	57°, 80%, 56%
HSV	57°, 78%, 91%
XYZ	60.8467, 70.8740, 13.6022
YIQ	206.9690, 60.8970, -51.8950

Conversions

Conversions Part 2

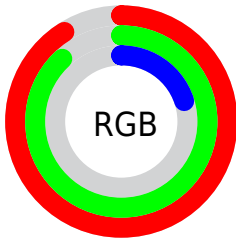
Format	Color
RYB	60, 233, 51
Decimal	15327283
CIELab	87.42, -14.87, 78.34
CIELCh	87, 79.735, 100.745
Yxy	70.8740, 0.4187, 0.4877
Android (android.graphics.Color)	4293517363 (0xFFE9E033)
YUV	206.9690, -76.8927, 22.8292
Hunter-Lab	84.1867, -18.3142, 49.3511

Details

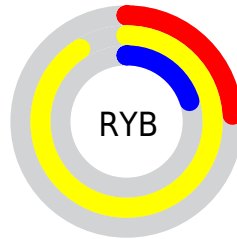
The Yxy color **70.8740, 0.4187, 0.4877** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **9.8074, 0.1676, 0.0930**, and the grayscale version is **62.8489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9499, 0.3935, 0.4625**, and **37.2602, 0.4234, 0.5020** is the 20% darker color. If you saturate the color by 10%, you get **70.1079, 0.4245, 0.4948**, and if you desaturate by 10%, it is **71.7537, 0.4102, 0.4762**.

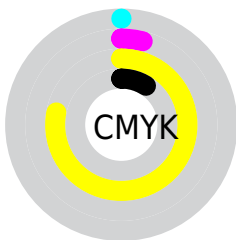
Distribution



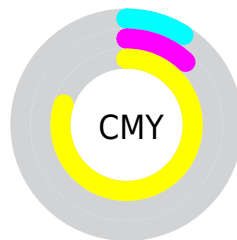
- Red (91%)
- Green (88%)
- Blue (20%)



- Red (24%)
- Yellow (91%)
- Blue (20%)



- Cyan (0%)
- Magenta (4%)
- Yellow (78%)
- Black (9%)





- Cyan (9%)
- Magenta (12%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8740, 0.4187, 0.4877 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 70.8740, 0.4187, 0.4877 by changing the saturation by 10% instead.


 70.8740, 0.4187,
0.4877

 70.8740, 0.4187,
0.4877


463.6129, 0.3771,
0.4187


 52.2394, 0.4252,
0.5008


 120.4543, 0.4065,
0.4656

 37.1959, 0.4316,
0.5154


 152.1688, 0.4010,
0.4564

 25.3592, 0.4369,
0.5311


 189.0120, 0.3961,
0.4483

 16.3449, 0.4420,
0.5499

 231.3683, 0.3915,
0.4410

 9.7685, 0.4376,
0.5624

 279.6222, 0.3874,
0.4345

 5.2458, 0.4258,
0.5742


334.1579, 0.3837,

 2.3922, 0.4067,

0.4287


0.5933


395.3600, 0.3802,
0.4235


 0.8219, 0.3373,
0.6627


 0.0000, 0.0000,
0.0000

 70.8740, 0.4187,
0.4877


 70.8740, 0.4187,
0.4877


 70.1079, 0.4245,
0.4948


 71.7537, 0.4102,
0.4762

 69.4263, 0.4278,
0.4978


 72.7506, 0.3991,
0.4605


 69.3024, 0.4283,
0.4981

 73.8795, 0.3860,
0.4413

 75.1504, 0.3715,
0.4195

 76.5726, 0.3560,
0.3961

 78.1543, 0.3403,
0.3719

 79.9032, 0.3248,
0.3479

 81.8266, 0.3100,
0.3247

 83.5622, 0.2993,
0.3081

Harmonies

Analogous

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



70.8740, 0.4826, 0.4276



70.8740, 0.4187, 0.4877



70.8740, 0.3325, 0.5077

Triad

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



70.8740, 0.4187, 0.4877



70.8740, 0.1550, 0.2524



70.8740, 0.3646, 0.2402

Complementary

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



70.8740, 0.4187, 0.4877



9.8074, 0.1676, 0.0930

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.



70.8740, 0.2682, 0.2026



70.8740, 0.4187, 0.4877



70.8740, 0.1609, 0.2031

Square

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



70.8740, 0.4187, 0.4877



70.8740, 0.1825, 0.3428



70.8740, 0.1981, 0.1888



70.8740, 0.4566, 0.2956

Rectangle

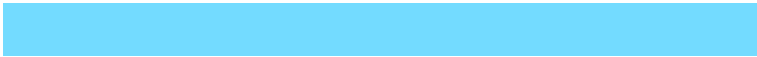
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.8740, 0.4187, 0.4877



70.8740, 0.2732, 0.4782



70.8740, 0.1981, 0.1888



70.8740, 0.3309, 0.2253

Sweetspot

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



70.8773, 0.4187, 0.4877



94.9575, 0.3482, 0.3840



20.0096, 0.5752, 0.3234



20.1768, 0.3539, 0.3928



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.



70.8773, 0.4187, 0.4877



85.5335, 0.4268, 0.4970



65.0780, 0.3511, 0.5377



17.4928, 0.3269, 0.3512



39.3954, 0.4281, 0.4983



3.1326, 0.4268, 0.4993

Inverse Universe

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



9.8074, 0.1676, 0.0930



8.1112, 0.1529, 0.0665



13.2230, 0.2182, 0.1130



14.6675, 0.2980, 0.3058



3.5313, 0.1509, 0.0631



0.3192, 0.1532, 0.0715

Previews

White Background



This preview shows how the Yxy color 70.8740, 0.4187, 0.4877 looks on a white background.

Color Contrast Check

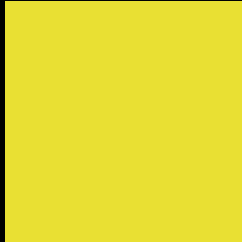
Large Text (above 18pt) WCAG AA × Fail

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 70.8740, 0.4187, 0.4877 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 70.8740, 0.4187, 0.4877

Background



This preview shows how black text looks on a background with the Yxy color 70.8740, 0.4187, 0.4877.



This preview shows how white text looks on a background with the Yxy color 70.8740, 0.4187, 0.4877.

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

70.8740, 0.4187, 0.4877

Protanopia

70.4862, 0.4329, 0.4774

Deuteranopia

70.4851, 0.3928, 0.3948



Tritanopia

70.8113, 0.3300, 0.3126

Trichromacy



Original Color

70.8740, 0.4187, 0.4877

Protanomaly

70.6440, 0.4275, 0.4816

Deuteranomaly

70.0781, 0.4076, 0.4335

Tritanomaly

69.5790, 0.3715, 0.3848

Monochromacy



Original Color

70.8740, 0.4187, 0.4877

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

64.3894, 0.3595, 0.4018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8740, 0.4187, 0.4877 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(233, 224, 51)` looks like.

```
.text, #text, p{  
    color:rgb(233, 224, 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(233, 224, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 224, 51) }
```

Border

The CSS property to change the border of an element to Yxy 70.8740, 0.4187, 0.4877 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(233, 224, 51) }
```

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

```
.border{ border-color:rgb(233, 224, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 224, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 224, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 224, 51);  
box-shadow:4px 4px 4px 4px rgb(233, 224,  
51) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.8740, 0.4187, 0.4877$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 224, 51) }
```

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

```
.background{ background-color: rgb(233,  
224, 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](#).

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