

Converting Colors

$Yxy(70.2711, 0.4102, 0.4733)$

Have a look what the booklet for
Yxy(70.2711, 0.4102, 0.4733)
contains.

Yxy(70.4670, 0.4098, 0.4733)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.4670, 0.4098, 0.4733)

Conversions

Conversions Part 1

Format	Color
Hex	E8DF4D
RGB	232, 223, 77
RGB Percent	91%, 87%, 30%
CMY	0.0901, 0.1255, 0.6981
CMYK	0.00, 0.04, 0.67, 0.09
HSL	57°, 77%, 61%
HSV	57°, 67%, 91%
XYZ	61.0128, 70.4670, 17.4046
YIQ	209.0470, 52.2300, -43.4980

Conversions

Conversions Part 2

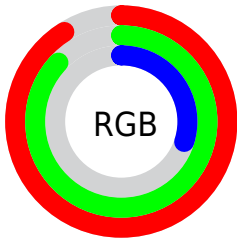
Format	Color
R _Y B	87, 232, 77
Decimal	15261517
CIE Lab	87.23, -13.62, 69.43
CIE LCh	87, 70.756, 101.098
Yxy	70.4670, 0.4098, 0.4733
Android (android.graphics.Color)	4293451597 (0xFFE8DF4D)
YUV	209.0470, -65.0992, 20.1298
Hunter-Lab	83.9446, -17.1653, 46.4684

Details

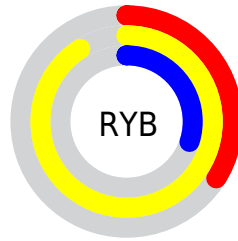
The Yxy color **70.4670, 0.4098, 0.4733** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **14.0648, 0.1855, 0.1245**, and the grayscale version is **64.2040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4735, 0.3834, 0.4459**, and **36.8939, 0.4241, 0.5008** is the 20% darker color. If you saturate the color by 10%, you get **69.4795, 0.4189, 0.4853**, and if you desaturate by 10%, it is **71.5837, 0.3982, 0.4572**.

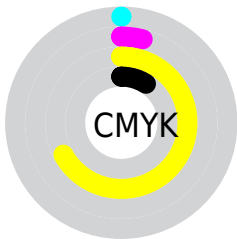
Distribution



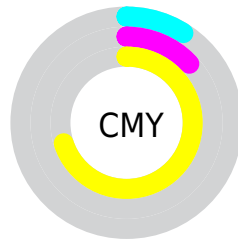
- Red (91%)
- Green (87%)
- Blue (30%)



- Red (34%)
- Yellow (91%)
- Blue (30%)



- Cyan (0%)
- Magenta (4%)
- Yellow (67%)
- Black (9%)




- Cyan (9%)
- Magenta (13%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4670, 0.4098, 0.4733 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 70.4670, 0.4098, 0.4733 by changing the saturation by 10% instead.


 70.4670, 0.4098,
0.4733


 70.4670, 0.4098,
0.4733


462.1880, 0.3700,
0.4091


 51.9073, 0.4167,
0.4862


 119.8745, 0.3976,
0.4522

 36.9312, 0.4240,
0.5010


 151.4911, 0.3923,
0.4436

 25.1542, 0.4310,
0.5176


 188.2288, 0.3876,
0.4360

 16.1920, 0.4366,
0.5357

 230.4721, 0.3834,
0.4294

 9.6601, 0.4417,
0.5583

 278.6052, 0.3795,
0.4234

 5.1742, 0.4308,
0.5692


333.0127, 0.3761,

 2.3498, 0.4132,


0.4181


0.5868

394.0788, 0.3729,
0.4133


 0.7999, 0.3485,
0.6515


 0.0000, 0.0000,
0.0000


 70.4670, 0.4098,
0.4733


 70.4670, 0.4098,
0.4733


 69.4795, 0.4189,
0.4853


 71.5837, 0.3982,
0.4572


 68.5982, 0.4253,
0.4928


 72.8309, 0.3847,
0.4377


 67.8096, 0.4291,
0.4962


 74.2217, 0.3698,
0.4158


 67.5694, 0.4300,
0.4968

 75.7651, 0.3541,
0.3924

 77.4692, 0.3383,
0.3684

 79.3417, 0.3229,
0.3447

 81.3895, 0.3081,
0.3218

 83.1190, 0.2987,
0.3076

 83.8908, 0.2987,
0.3090

Harmonies

Analogous

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



70.4670, 0.4664, 0.4220



70.4670, 0.4098, 0.4733



70.4670, 0.3318, 0.4862

Triad

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



70.4670, 0.4098, 0.4733



70.4670, 0.1691, 0.2609



70.4670, 0.3606, 0.2492

Complementary

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



70.4670, 0.4098, 0.4733



14.0648, 0.1855, 0.1245

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.



70.4670, 0.2742, 0.2141



70.4670, 0.4098, 0.4733



70.4670, 0.1745, 0.2151

Square

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



70.4670, 0.4098, 0.4733



70.4670, 0.1950, 0.3413



70.4670, 0.2095, 0.2014



70.4670, 0.4415, 0.3007

Rectangle

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



70.4670, 0.4098, 0.4733



70.4670, 0.2780, 0.4587



70.4670, 0.2095, 0.2014



70.4670, 0.3306, 0.2353

Sweetspot

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



70.4703, 0.4098, 0.4733



95.2585, 0.3435, 0.3763



23.1609, 0.5203, 0.3199



20.2612, 0.3480, 0.3831



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.



70.4703, 0.4098, 0.4733



85.6692, 0.4215, 0.4885



66.2484, 0.3533, 0.5122



16.6657, 0.3269, 0.3509



37.5668, 0.4298, 0.4969



2.8201, 0.4282, 0.4982

Inverse Universe

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



14.0648, 0.1855, 0.1245



11.4661, 0.1651, 0.0893



17.0796, 0.2319, 0.1378



14.0212, 0.2980, 0.3061



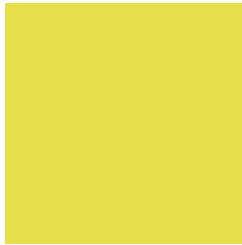
3.4603, 0.1511, 0.0638



0.3035, 0.1540, 0.0742

Previews

White Background



This preview shows how the Yxy color 70.4670, 0.4098, 0.4733 looks on a white background.

Color Contrast Check

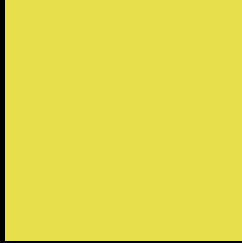
Large Text (above 18pt) WCAG AA × Fail

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 70.4670, 0.4098, 0.4733 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 70.4670, 0.4098, 0.4733

Background



This preview shows how black text looks on a background with the Yxy color 70.4670, 0.4098, 0.4733.



This preview shows how white text looks on a background with the Yxy color 70.4670, 0.4098, 0.4733.

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

70.4670, 0.4098, 0.4733

Protanopia

70.4179, 0.4223, 0.4650

Deuteranopia

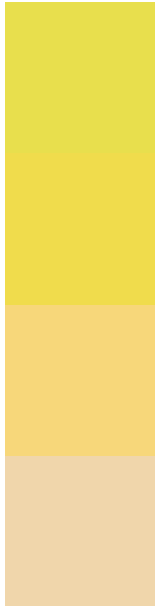
69.9866, 0.3932, 0.3938



Tritanopia

70.4496, 0.3285, 0.3125

Trichromacy



Original Color

70.4670, 0.4098, 0.4733

Protanomaly

70.2335, 0.4185, 0.4678

Deuteranomaly

69.7802, 0.4026, 0.4246

Tritanomaly

69.5587, 0.3634, 0.3754

Monochromacy



Original Color

70.4670, 0.4098, 0.4733

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

65.4181, 0.3523, 0.3900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4670, 0.4098, 0.4733 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(232, 223, 77)` looks like.

```
.text, #text, p{  
    color:rgb(232, 223, 77)  
}
```

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(232, 223, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 223, 77) }
```

Border

The CSS property to change the border of an element to Yxy 70.4670, 0.4098, 0.4733 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(232, 223, 77) }
```

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

```
.border{ border-color:rgb(232, 223, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 223, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 223, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 223, 77);  
box-shadow:4px 4px 4px 4px rgb(232, 223,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4670, 0.4098, 0.4733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 223, 77) }
```

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

```
.background{ background-color: rgb(232,  
223, 77) }
```

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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