

Converting Colors

$Y_{xy}(70.6770, 0.4157, 0.4992)$

Have a look what the booklet for
Yxy(70.6770, 0.4157, 0.4992)
contains.

Yxy(70.6770, 0.4157, 0.4992)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.6770, 0.4157, 0.4992)

Conversions

Conversions Part 1

Format	Color
Hex	E2E222
RGB	226, 226, 34
RGB Percent	89%, 89%, 13%
CMY	0.1136, 0.1137, 0.8669
CMYK	0.00, 0.00, 0.85, 0.11
HSL	60°, 77%, 51%
HSV	60°, 85%, 89%
XYZ	58.8550, 70.6770, 12.0485
YIQ	204.1120, 61.6320, -59.7120

Conversions

Conversions Part 2

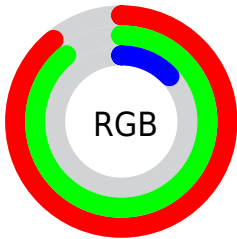
Format	Color
RYB	34, 226, 34
Decimal	14869026
CIELab	87.33, -19.21, 82.13
CIElCh	87, 84.349, 103.162
Yxy	70.6770, 0.4157, 0.4992
Android (android.graphics.Color)	4293059106 (0xFFE2E222)
YUV	204.1120, -83.8652, 19.1958
Hunter-Lab	84.0696, -22.1585, 50.3515

Details

The Yxy color **70.6770, 0.4157, 0.4992** 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 **6.9744, 0.1584, 0.0738**, and the grayscale version is **60.9704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7393, 0.3978, 0.4696**, and **37.2328, 0.4143, 0.5093** is the 20% darker color. If you saturate the color by 10%, you get **70.5882, 0.4185, 0.5039**, and if you desaturate by 10%, it is **70.8579, 0.4103, 0.4903**.

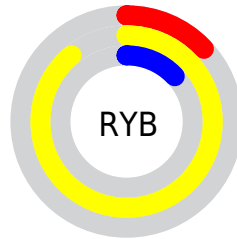
Distribution



Red (89%)

Green (89%)

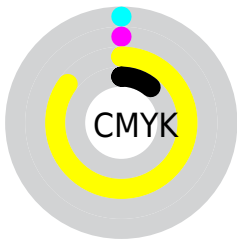
Blue (13%)



Red (13%)

Yellow (89%)

Blue (13%)

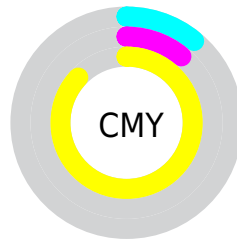


Cyan (0%)

Magenta (0%)

Yellow (85%)

Black (11%)



Cyan (11%)


Magenta (11%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6770, 0.4157, 0.4992 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 70.6770, 0.4157, 0.4992 by changing the saturation by 10% instead.

 70.6770, 0.4157,
0.4992


 70.6770, 0.4157,
0.4992


462.9235, 0.3768,
0.4251


 52.0786, 0.4212,
0.5132


 120.1737, 0.4048,
0.4755

 37.0678, 0.4261,
0.5287


 151.8408, 0.3997,
0.4657


 25.2600, 0.4293,
0.5452


 188.6330, 0.3950,
0.4569

 16.2708, 0.4330,
0.5670


 230.9346, 0.3907,
0.4491

 9.7160, 0.4225,
0.5775

 279.1301, 0.3868,
0.4421

 5.2111, 0.4070,
0.5930


 333.6038, 0.3831,

 2.3716, 0.3819,

0.4359

0.6181

394.7402, 0.3798,
0.4302

 0.8112, 0.2714,
0.7286


 0.0000, 0.0000,
0.0000


 70.6770, 0.4157,
0.4992


 70.6770, 0.4157,
0.4992


 70.5882, 0.4185,
0.5039


 70.8579, 0.4103,
0.4903

 70.5623, 0.4193,
0.5052


 71.1356, 0.4023,
0.4770

 71.5252, 0.3918,
0.4597


 72.0369, 0.3793,
0.4390

 72.6798, 0.3653,
0.4159

 73.4621, 0.3504,
0.3912

 74.3914, 0.3351,
0.3660

 75.4745, 0.3200,
0.3411

 76.7181, 0.3055,
0.3171

Harmonies

Analogous

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



70.6770, 0.4864, 0.4360



70.6770, 0.4157, 0.4992



70.6770, 0.3244, 0.5175

Triad

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



70.6770, 0.4157, 0.4992



70.6770, 0.1472, 0.2418



70.6770, 0.3759, 0.2399

Complementary

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



70.6770, 0.4157, 0.4992



6.9744, 0.1584, 0.0738

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.



70.6770, 0.2728, 0.1992



70.6770, 0.4157, 0.4992



70.6770, 0.1560, 0.1944

Square

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



70.6770, 0.4157, 0.4992



70.6770, 0.1721, 0.3338



70.6770, 0.1971, 0.1827



70.6770, 0.4711, 0.2983

Rectangle

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



70.6770, 0.4157, 0.4992



70.6770, 0.2629, 0.4820



70.6770, 0.1971, 0.1827



70.6770, 0.3400, 0.2239

Sweetspot

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



70.6803, 0.4157, 0.4992



96.5464, 0.3506, 0.3917



17.4488, 0.6072, 0.3282



20.5827, 0.3560, 0.4005



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.



70.6803, 0.4157, 0.4992



92.7552, 0.4193, 0.5052



59.5249, 0.3452, 0.5524



16.0292, 0.3267, 0.3522



40.2448, 0.4193, 0.5052



2.7897, 0.4193, 0.5052

Inverse Universe

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



6.9744, 0.1584, 0.0738



7.2208, 0.1500, 0.0600



11.1291, 0.2150, 0.1040



13.2437, 0.2980, 0.3048



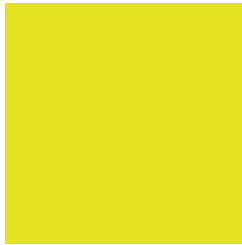
3.1332, 0.1500, 0.0600



0.2173, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 70.6770, 0.4157, 0.4992 looks on a white background.

Color Contrast Check

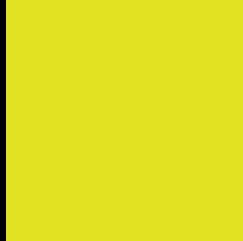
Large Text (above 18pt) WCAG AA × Fail

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 70.6770, 0.4157, 0.4992 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 70.6770, 0.4157, 0.4992

Background



This preview shows how black text looks on a background with the Yxy color 70.6770, 0.4157, 0.4992.



This preview shows how white text looks on a background with the Yxy color 70.6770, 0.4157, 0.4992.

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

70.6770, 0.4157, 0.4992

Protanopia

70.3602, 0.4369, 0.4834

Deuteranopia

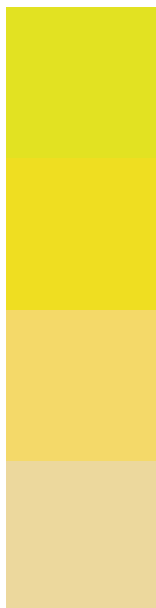
70.4223, 0.3942, 0.3968



Tritanopia

70.3400, 0.3240, 0.3113

Trichromacy



Original Color

70.6770, 0.4157, 0.4992

Protanomaly

70.7031, 0.4290, 0.4892

Deuteranomaly

69.8787, 0.4093, 0.4423

Tritanomaly

69.3789, 0.3697, 0.3932

Monochromacy



Original Color

70.6770, 0.4157, 0.4992

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

63.0370, 0.3622, 0.4108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6770, 0.4157, 0.4992 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(226, 226, 34)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 34)  
}
```

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(226, 226, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 34) }
```

Border

The CSS property to change the border of an element to Yxy 70.6770, 0.4157, 0.4992 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(226, 226, 34) }
```

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

```
.border{ border-color:rgb(226, 226, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 226, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 226, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 226, 34);  
box-shadow:4px 4px 4px 4px rgb(226, 226,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6770, 0.4157, 0.4992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 226, 34) }
```

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

```
.background{ background-color: rgb(226,  
226, 34) }
```

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