

Converting Colors

$Y_{xy}(72.0028, 0.3851, 0.4488)$

Have a look what the booklet for
Yxy(72.0028, 0.3851, 0.4488)
contains.

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Color

Yxy(71.7764, 0.3852, 0.4489)

Conversions

Conversions Part 1

Format	Color
Hex	E2E272
RGB	226, 226, 114
RGB Percent	89%, 89%, 45%
CMY	0.1138, 0.1137, 0.5529
CMYK	0.00, 0.00, 0.50, 0.11
HSL	60°, 66%, 67%
HSV	60°, 50%, 89%
XYZ	61.5912, 71.7764, 26.5264
YIQ	213.2320, 35.9520, -34.8320

Conversions

Conversions Part 2

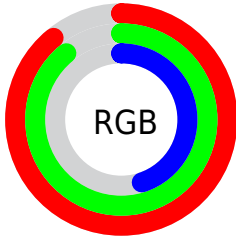
Format	Color
RYB	114, 226, 114
Decimal	14869106
CIELab	87.86, -15.00, 54.16
CIElCh	88, 56.198, 105.480
Yxy	71.7764, 0.3852, 0.4489
Android (android.graphics.Color)	4293059186 (0xFFE2E272)
YUV	213.2320, -48.9214, 11.1975
Hunter-Lab	84.7210, -18.4942, 40.7408

Details

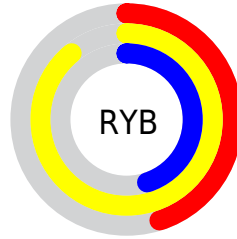
The Yxy color **71.7764, 0.3852, 0.4489** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.1063, 0.2180, 0.1724**, and the grayscale version is **67.0181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6072, 0.3643, 0.4143**, and **37.7876, 0.3975, 0.4760** is the 20% darker color. If you saturate the color by 10%, you get **71.3257, 0.3968, 0.4682**, and if you desaturate by 10%, it is **72.3609, 0.3718, 0.4267**.

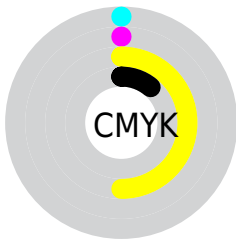
Distribution



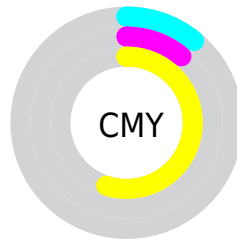
- Red (89%)
- Green (89%)
- Blue (45%)



- Red (45%)
- Yellow (89%)
- Blue (45%)



- Cyan (0%)
- Magenta (0%)
- Yellow (50%)
- Black (11%)




- Cyan (11%)
- Magenta (11%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7764, 0.3852, 0.4489 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 71.7764, 0.3852, 0.4489 by changing the saturation by 10% instead.


 71.7764, 0.3852,
0.4489


 71.7764, 0.3852,
0.4489


466.7630, 0.3543,
0.3936


 52.9760, 0.3912,
0.4610


 121.7386, 0.3753,
0.4300

 37.7836, 0.3979,
0.4754


 153.6692, 0.3711,
0.4226

 25.8148, 0.4053,
0.4928


 190.7453, 0.3675,
0.4161

 16.6852, 0.4128,
0.5138

233.3514, 0.3643,
0.4105

 10.0103, 0.4192,
0.5389

281.8718, 0.3614,
0.4055

 5.4058, 0.4259,
0.5741


336.6909, 0.3588,

 2.4873, 0.4071,

0.4011

0.5929


398.1932, 0.3564,
0.3971

 0.8702, 0.3463,
0.6537


 0.0000, 0.0000,
0.0000

 71.7764, 0.3852,
0.4489


 71.7764, 0.3852,
0.4489


 71.3257, 0.3968,
0.4682


 72.3609, 0.3718,
0.4267


 70.9892, 0.4062,
0.4837

 73.0778, 0.3572,
0.4026


 70.7595, 0.4130,
0.4950


 73.9382, 0.3421,
0.3776

 70.6236, 0.4172,
0.5019

 74.9494, 0.3269,
0.3525

 70.5602, 0.4192,
0.5052


 76.1180, 0.3121,
0.3279

 70.5579, 0.4193,
0.5053

 77.4505, 0.2979,
0.3046

 77.7944, 0.2947,
0.2992

 77.7957, 0.2947,
0.2992

 77.7971, 0.2947,
0.2992

Harmonies

Analogous

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



71.7764, 0.4327, 0.4149



71.7764, 0.3852, 0.4489



71.7764, 0.3211, 0.4476

Triad

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



71.7764, 0.3852, 0.4489



71.7764, 0.1940, 0.2691



71.7764, 0.3617, 0.2697

Complementary

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



71.7764, 0.3852, 0.4489



21.1063, 0.2180, 0.1724

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.



71.7764, 0.2922, 0.2377



71.7764, 0.3852, 0.4489



71.7764, 0.2019, 0.2338

Square

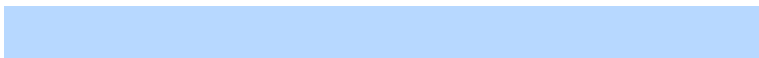
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.7764, 0.3852, 0.4489



71.7764, 0.2129, 0.3299



71.7764, 0.2355, 0.2245



71.7764, 0.4215, 0.3148

Rectangle

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



71.7764, 0.3852, 0.4489



71.7764, 0.2779, 0.4207



71.7764, 0.2355, 0.2245



71.7764, 0.3383, 0.2573

Sweetspot

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



71.7797, 0.3852, 0.4489



97.7740, 0.3353, 0.3663



29.4204, 0.4526, 0.3294



20.8688, 0.3385, 0.3717



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.



71.7797, 0.3852, 0.4489



93.7800, 0.3967, 0.4679



64.1622, 0.3422, 0.4690



16.0293, 0.3267, 0.3522



40.2477, 0.4193, 0.5053



2.7898, 0.4193, 0.5053

Inverse Universe

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



21.1063, 0.2180, 0.1724



20.2112, 0.1975, 0.1384



26.0730, 0.2642, 0.1897



13.2436, 0.2981, 0.3047



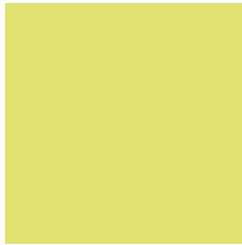
3.1330, 0.1500, 0.0600



0.2173, 0.1501, 0.0600

Previews

White Background



This preview shows how the Yxy color 71.7764, 0.3852, 0.4489 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 71.7764, 0.3852, 0.4489 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 71.7764, 0.3852, 0.4489

Background



This preview shows how black text looks on a background with the Yxy color 71.7764, 0.3852, 0.4489.



This preview shows how white text looks on a background with the Yxy color 71.7764, 0.3852, 0.4489.

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

71.7764, 0.3852, 0.4489

Protanopia

71.4109, 0.4028, 0.4393

Deuteranopia

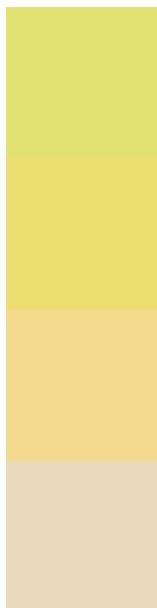
71.3866, 0.3837, 0.3837



Tritanopia

71.4788, 0.3194, 0.3113

Trichromacy



Original Color

71.7764, 0.3852, 0.4489

Protanomaly

71.4393, 0.3964, 0.4423

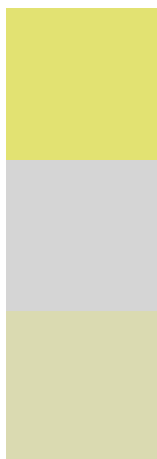
Deuteranomaly

71.3591, 0.3850, 0.4080

Tritanomaly

71.2661, 0.3454, 0.3616

Monochromacy



Original Color

71.7764, 0.3852, 0.4489

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

68.2226, 0.3409, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7764, 0.3852, 0.4489 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 114) }
```

Border

The CSS property to change the border of an element to Yxy 71.7764, 0.3852, 0.4489 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, 114) }
```

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

```
.border{ border-color:rgb(226, 226, 114) }
```

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, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 226, 114); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 226, 114); box-shadow:4px 4px 4px 4px rgb(226, 226, 114) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7764, 0.3852, 0.4489 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, 114) }
```

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

```
.background{ background-color: rgb(226,  
226, 114) }
```

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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