

Converting Colors

$Y_{xy}(71.9758, 0.3785, 0.4406)$

Have a look what the booklet for
Yxy(71.9758, 0.3785, 0.4406)
contains.

Yxy(71.8555, 0.3787, 0.4397)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.8555, 0.3787, 0.4397)

Conversions

Conversions Part 1

Format	Color
Hex	E1E27C
RGB	225, 226, 124
RGB Percent	88%, 89%, 49%
CMY	0.1176, 0.1137, 0.5137
CMYK	0.00, 0.00, 0.45, 0.11
HSL	61°, 64%, 69%
HSV	61°, 45%, 89%
XYZ	61.8869, 71.8555, 29.6770
YIQ	214.0730, 32.1460, -31.9340

Conversions

Conversions Part 2

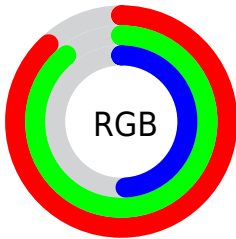
Format	Color
RYB	124, 226, 125
Decimal	14803580
CIELab	87.90, -14.47, 49.46
CIElCh	88, 51.537, 106.309
Yxy	71.8555, 0.3787, 0.4397
Android (android.graphics.Color)	4292993660 (0xFFE1E27C)
YUV	214.0730, -44.4060, 9.5830
Hunter-Lab	84.7676, -18.0245, 38.5800

Details

The Yxy color **71.8555, 0.3787, 0.4397** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.2679, 0.2283, 0.1885**, and the grayscale version is **67.5877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9944, 0.3585, 0.4047**, and **37.9185, 0.3908, 0.4649** is the 20% darker color. If you saturate the color by 10%, you get **71.3154, 0.3910, 0.4605**, and if you desaturate by 10%, it is **72.5333, 0.3649, 0.4164**.

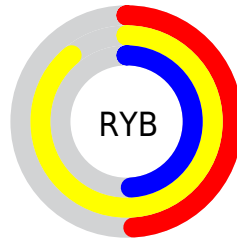
Distribution



Red (88%)

Green (89%)

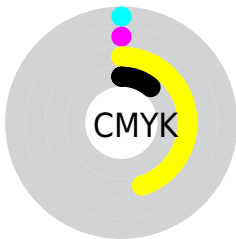
Blue (49%)



Red (49%)

Yellow (89%)

Blue (49%)

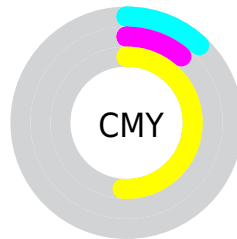


Cyan (0%)

Magenta (0%)

Yellow (45%)

Black (11%)



Cyan (12%)


Magenta (11%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.8555, 0.3787, 0.4397 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 71.8555, 0.3787, 0.4397 by changing the saturation by 10% instead.


 71.8555, 0.3787,
0.4397


 71.8555, 0.3787,
0.4397


467.0385, 0.3502,
0.3883

 53.0406, 0.3844,
0.4511


 121.8511, 0.3694,
0.4221

 37.8352, 0.3909,
0.4649


 153.8006, 0.3656,
0.4151

 25.8548, 0.3982,
0.4817


 190.8971, 0.3623,
0.4091

 16.7151, 0.4061,
0.5024

233.5250, 0.3593,
0.4039

 10.0315, 0.4135,
0.5277

282.0687, 0.3566,
0.3993

 5.4199, 0.4281,
0.5719

336.9126, 0.3543,

 2.4957, 0.4101,

0.3952

0.5899

398.4410, 0.3521,
0.3915

0.8745, 0.3534,
0.6466

0.0000, 0.0000,
0.0000

71.8555, 0.3787,
0.4397

71.8555, 0.3787,
0.4397

71.3154, 0.3910,
0.4605

72.5333, 0.3649,
0.4164

70.8939, 0.4013,
0.4780


73.3471, 0.3502,
0.3917


70.5843, 0.4091,
0.4914

74.3077, 0.3351,
0.3665

70.3745, 0.4143,
0.5004

75.4221, 0.3202,
0.3415


 70.2501, 0.4169,
0.5053


 76.6969, 0.3058,
0.3174

 70.2087, 0.4176,
0.5066

 77.8380, 0.2949,
0.2992

 77.8739, 0.2950,
0.2992

 77.9099, 0.2952,
0.2992

 77.9459, 0.2953,
0.2993

Harmonies

Analogous

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



71.8555, 0.4227, 0.4103



71.8555, 0.3787, 0.4397



71.8555, 0.3195, 0.4362

Triad

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



71.8555, 0.3787, 0.4397



71.8555, 0.2025, 0.2732



71.8555, 0.3596, 0.2753

Complementary

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



71.8555, 0.3787, 0.4397



24.2679, 0.2283, 0.1885

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.



71.8555, 0.2958, 0.2449



71.8555, 0.3787, 0.4397



71.8555, 0.2105, 0.2406

Square

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



71.8555, 0.3787, 0.4397



71.8555, 0.2198, 0.3286



71.8555, 0.2427, 0.2321



71.8555, 0.4135, 0.3177

Rectangle

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



71.8555, 0.3787, 0.4397



71.8555, 0.2796, 0.4109



71.8555, 0.2427, 0.2321



71.8555, 0.3382, 0.2635

Sweetspot

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



71.8588, 0.3787, 0.4397



97.8440, 0.3335, 0.3638



32.0412, 0.4339, 0.3294



20.8793, 0.3368, 0.3693



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.



71.8588, 0.3787, 0.4397



93.8162, 0.3901, 0.4590



64.9650, 0.3404, 0.4558



16.0224, 0.3266, 0.3522



40.0556, 0.4176, 0.5066



2.7787, 0.4179, 0.5064

Inverse Universe

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



24.2679, 0.2283, 0.1885



23.9098, 0.2086, 0.1558



29.0221, 0.2697, 0.2027



13.2497, 0.2982, 0.3048



3.1437, 0.1503, 0.0602



0.2202, 0.1513, 0.0607

Previews

White Background



This preview shows how the Yxy color 71.8555, 0.3787, 0.4397 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 71.8555, 0.3787, 0.4397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

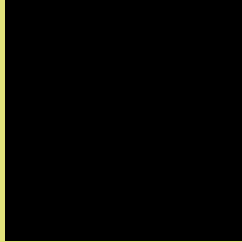
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.8555, 0.3787, 0.4397

Background



This preview shows how black text looks on a background with the Yxy color 71.8555, 0.3787, 0.4397.

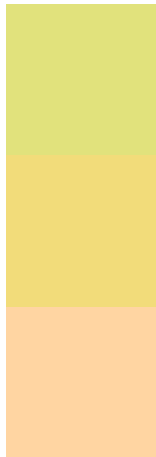


This preview shows how white text looks on a background with the Yxy color 71.8555, 0.3787, 0.4397.

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

71.8555, 0.3787, 0.4397

Protanopia

71.4688, 0.3961, 0.4307

Deuteranopia

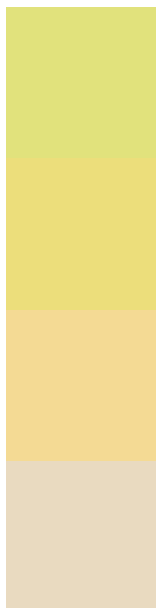
71.4571, 0.3822, 0.3817



Tritanopia

71.8672, 0.3179, 0.3113

Trichromacy



Original Color

71.8555, 0.3787, 0.4397

Protanomaly

71.5055, 0.3898, 0.4335

Deuteranomaly

71.5140, 0.3816, 0.4029

Tritanomaly

71.2722, 0.3418, 0.3573

Monochromacy



Original Color

71.8555, 0.3787, 0.4397

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.3844, 0.3381, 0.3710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8555, 0.3787, 0.4397 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(225, 226, 124)` looks like.

```
.text, #text, p{  
    color:rgb(225, 226, 124)  
}
```

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(225, 226, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 226, 124) }
```

Border

The CSS property to change the border of an element to Yxy 71.8555, 0.3787, 0.4397 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(225, 226, 124) }
```

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

```
.border{ border-color:rgb(225, 226, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 226, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 226, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 226, 124);  
box-shadow:4px 4px 4px 4px rgb(225, 226,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8555, 0.3787, 0.4397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 226, 124) }
```

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

```
.background{ background-color: rgb(225,  
226, 124) }
```

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