

Converting Colors

$Y_{xy}(71.2202, 0.4054, 0.4557)$

Have a look what the booklet for
Yxy(71.2202, 0.4054, 0.4557)
contains.

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Color

Yxy(71.1101, 0.4051, 0.4558)

Conversions

Conversions Part 1

Format	Color
Hex	EDDE61
RGB	237, 222, 97
RGB Percent	93%, 87%, 38%
CMY	0.0706, 0.1294, 0.6196
CMYK	0.00, 0.06, 0.59, 0.07
HSL	54°, 80%, 65%
HSV	54°, 59%, 93%
XYZ	63.2003, 71.1101, 21.7012
YIQ	212.2350, 49.0650, -35.6950

Conversions

Conversions Part 2

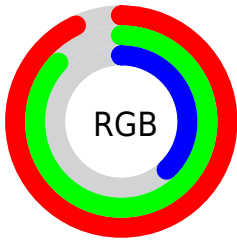
Format	Color
RYB	114, 237, 97
Decimal	15588961
CIELab	87.54, -9.87, 61.69
CIElCh	88, 62.474, 99.094
Yxy	71.1101, 0.4051, 0.4558
Android (android.graphics.Color)	4293779041 (0xFFEDDE61)
YUV	212.2350, -56.8109, 21.7189
Hunter-Lab	84.3268, -13.7917, 43.7707

Details

The Yxy color **71.1101, 0.4051, 0.4558** is a light color, and the websafe version is hex **CCCC33**. A complement of this color would be **20.2360, 0.2018, 0.1570**, and the grayscale version is **66.3641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0470, 0.3734, 0.4293**, and **37.2625, 0.4208, 0.4813** is the 20% darker color. If you saturate the color by 10%, you get **69.3988, 0.4176, 0.4705**, and if you desaturate by 10%, it is **72.9803, 0.3907, 0.4376**.

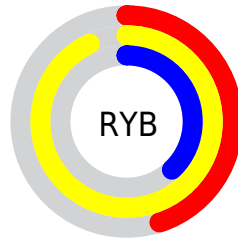
Distribution



Red (93%)

Green (87%)

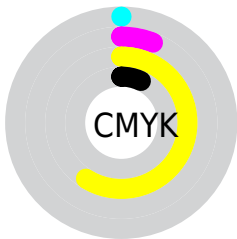
Blue (38%)



Red (45%)

Yellow (93%)

Blue (38%)

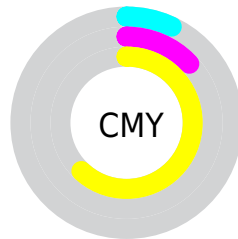


Cyan (0%)

Magenta (6%)

Yellow (59%)

Black (7%)



Cyan (7%)


Magenta (13%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.1101, 0.4051, 0.4558 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 71.1101, 0.4051, 0.4558 by changing the saturation by 10% instead.


 71.1101, 0.4051,
0.4558


 71.1101, 0.4051,
0.4558


464.4382, 0.3658,
0.3989


 52.4321, 0.4126,
0.4676


 120.7905, 0.3926,
0.4369

 37.3496, 0.4208,
0.4813


 152.5616, 0.3874,
0.4293

 25.4783, 0.4297,
0.4971


 189.4659, 0.3827,
0.4226

 16.4337, 0.4383,
0.5149

 231.8877, 0.3786,
0.4167

 9.8316, 0.4493,
0.5390

280.2114, 0.3749,
0.4115

 5.2874, 0.4470,
0.5530

334.8215, 0.3716,

 2.4169, 0.4346,

0.4068

0.5654

396.1023, 0.3686,
0.4027

0.8346, 0.3982,
0.6018

0.0000, 0.0000,
0.0000

71.1101, 0.4051,
0.4558

71.1101, 0.4051,
0.4558

69.3988, 0.4176,
0.4705

72.9803, 0.3907,
0.4376

67.8241, 0.4276,
0.4810


75.0103, 0.3750,
0.4168


66.3750, 0.4348,
0.4870

77.2129, 0.3587,
0.3946


65.0292, 0.4394,
0.4889

79.5970, 0.3423,
0.3717

 64.9070, 0.4398,
0.4890

 82.1707, 0.3264,
0.3490

 84.9418, 0.3114,
0.3270

 87.3991, 0.3018,
0.3138

 88.9002, 0.3018,
0.3164

 90.4222, 0.3018,
0.3189

Harmonies

Analogous

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



71.1101, 0.4523, 0.4112



71.1101, 0.4051, 0.4558



71.1101, 0.3364, 0.4671

Triad

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



71.1101, 0.4051, 0.4558



71.1101, 0.1842, 0.2737



71.1101, 0.3502, 0.2548

Complementary

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



71.1101, 0.4051, 0.4558



20.2360, 0.2018, 0.1570

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.



71.1101, 0.2744, 0.2240



71.1101, 0.4051, 0.4558



71.1101, 0.1870, 0.2294

Square

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



71.1101, 0.4051, 0.4558



71.1101, 0.2106, 0.3463



71.1101, 0.2174, 0.2142



71.1101, 0.4222, 0.3012

Rectangle

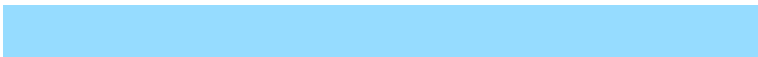
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.1101, 0.4051, 0.4558



71.1101, 0.2880, 0.4448



71.1101, 0.2174, 0.2142



71.1101, 0.3239, 0.2425

Sweetspot

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



71.1134, 0.4051, 0.4558



94.2955, 0.3407, 0.3694



27.7498, 0.4752, 0.3125



20.0008, 0.3454, 0.3761



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.



71.1134, 0.4051, 0.4558



81.5333, 0.4200, 0.4732



71.5302, 0.3566, 0.4901



17.3356, 0.3271, 0.3498



35.5588, 0.4394, 0.4893



2.8712, 0.4363, 0.4918

Inverse Universe

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



20.2360, 0.2018, 0.1570



16.5584, 0.1800, 0.1201



21.2082, 0.2372, 0.1560



14.8082, 0.2980, 0.3073



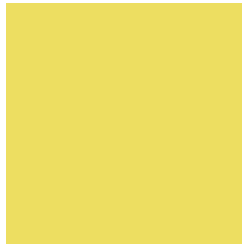
3.8165, 0.1521, 0.0676



0.3865, 0.1568, 0.0845

Previews

White Background



This preview shows how the Yxy color 71.1101, 0.4051, 0.4558 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 71.1101, 0.4051, 0.4558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

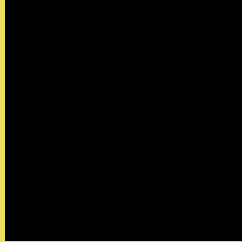
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.1101, 0.4051, 0.4558

Background



This preview shows how black text looks on a background with the Yxy color 71.1101, 0.4051, 0.4558.



This preview shows how white text looks on a background with the Yxy color 71.1101, 0.4051, 0.4558.

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

71.1101, 0.4051, 0.4558

Protanopia

71.2640, 0.4123, 0.4520

Deuteranopia

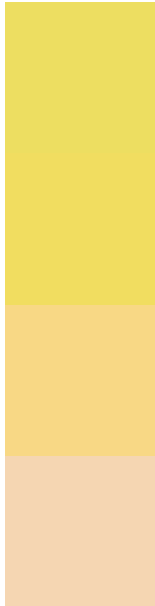
70.6801, 0.3885, 0.3888



Tritanopia

71.1769, 0.3315, 0.3127

Trichromacy



Original Color

71.1101, 0.4051, 0.4558

Protanomaly

71.2582, 0.4094, 0.4541

Deuteranomaly

70.7616, 0.3958, 0.4149

Tritanomaly

70.7200, 0.3622, 0.3673

Monochromacy



Original Color

71.1101, 0.4051, 0.4558

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.3862, 0.3486, 0.3811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.1101, 0.4051, 0.4558 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(237, 222, 97)` looks like.

```
.text, #text, p{  
    color:rgb(237, 222, 97)  
}
```

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(237, 222, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 222, 97) }
```

Border

The CSS property to change the border of an element to Yxy 71.1101, 0.4051, 0.4558 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(237, 222, 97) }
```

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

```
.border{ border-color:rgb(237, 222, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 222, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 222, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 222, 97);  
box-shadow:4px 4px 4px 4px rgb(237, 222,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 71.1101, 0.4051, 0.4558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 222, 97) }
```

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

```
.background{ background-color: rgb(237,  
222, 97) }
```

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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