

Converting Colors

$Y_{xy}(70.6649, 0.4114, 0.4791)$

Have a look what the booklet for
Yxy(70.6649, 0.4114, 0.4791)
contains.

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Color

Yxy(70.7299, 0.4114, 0.4795)

Conversions

Conversions Part 1

Format	Color
Hex	E7E045
RGB	231, 224, 69
RGB Percent	91%, 88%, 27%
CMY	0.0941, 0.1215, 0.7292
CMYK	0.00, 0.03, 0.70, 0.09
HSL	57°, 77%, 59%
HSV	57°, 70%, 91%
XYZ	60.6846, 70.7299, 16.0931
YIQ	208.4230, 53.9270, -46.7210

Conversions

Conversions Part 2

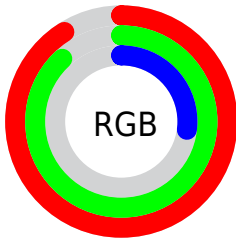
Format	Color
RYB	76, 231, 69
Decimal	15196229
CIELab	87.35, -14.95, 72.45
CIELCh	87, 73.977, 101.656
Yxy	70.7299, 0.4114, 0.4795
Android (android.graphics.Color)	4293386309 (0xFFE7E045)
YUV	208.4230, -68.7355, 19.8000
Hunter-Lab	84.1011, -18.3770, 47.5254

Details

The Yxy color **70.7299, 0.4114, 0.4795** 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 **12.2119, 0.1793, 0.1124**, and the grayscale version is **63.7999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2864, 0.3869, 0.4517**, and **37.1466, 0.4224, 0.5028** is the 20% darker color. If you saturate the color by 10%, you get **69.9656, 0.4192, 0.4902**, and if you desaturate by 10%, it is **71.6155, 0.4010, 0.4646**.

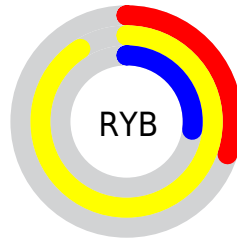
Distribution



Red (91%)

Green (88%)

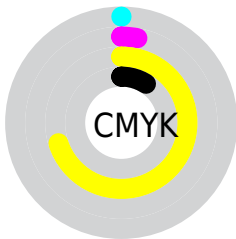
Blue (27%)



Red (30%)

Yellow (91%)

Blue (27%)

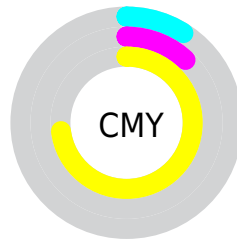


Cyan (0%)

Magenta (3%)

Yellow (70%)

Black (9%)



Cyan (9%)


Magenta (12%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7299, 0.4114, 0.4795 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 70.7299, 0.4114, 0.4795 by changing the saturation by 10% instead.


 70.7299, 0.4114,
0.4795


 70.7299, 0.4114,
0.4795


463.1087, 0.3717,
0.4128


 52.1218, 0.4181,
0.4927


 120.2491, 0.3994,
0.4577


 37.1022, 0.4248,
0.5078


 151.9289, 0.3942,
0.4488


 25.2866, 0.4311,
0.5244


 188.7348, 0.3894,
0.4410

 16.2907, 0.4358,
0.5428


 231.0511, 0.3852,
0.4340

 9.7301, 0.4372,
0.5628

 279.2623, 0.3813,
0.4278

 5.2204, 0.4253,
0.5747

333.7527, 0.3778,

 2.3771, 0.4061,

0.4223

0.5939

394.9067, 0.3746,
0.4173

0.8141, 0.3343,
0.6657

0.0000, 0.0000,
0.0000

70.7299, 0.4114,
0.4795

70.7299, 0.4114,
0.4795

69.9656, 0.4192,
0.4902

71.6155, 0.4010,
0.4646

69.2990, 0.4243,
0.4965


72.6242, 0.3884,
0.4459


68.7152, 0.4271,
0.4990


73.7694, 0.3742,
0.4245

75.0601, 0.3590,
0.4012

 76.5047, 0.3434,
0.3770

 78.1108, 0.3279,
0.3528

 79.8855, 0.3129,
0.3292

 81.8356, 0.2987,
0.3068

 82.4717, 0.2980,
0.3067

Harmonies

Analogous

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



70.7299, 0.4713, 0.4256



70.7299, 0.4114, 0.4795



70.7299, 0.3302, 0.4934

Triad

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



70.7299, 0.4114, 0.4795



70.7299, 0.1638, 0.2564



70.7299, 0.3642, 0.2470

Complementary

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



70.7299, 0.4114, 0.4795



12.2119, 0.1793, 0.1124

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.



70.7299, 0.2739, 0.2105



70.7299, 0.4114, 0.4795



70.7299, 0.1700, 0.2101

Square

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



70.7299, 0.4114, 0.4795



70.7299, 0.1895, 0.3396



70.7299, 0.2066, 0.1969



70.7299, 0.4484, 0.3002

Rectangle

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



70.7299, 0.4114, 0.4795



70.7299, 0.2745, 0.4640



70.7299, 0.2066, 0.1969



70.7299, 0.3329, 0.2326

Sweetspot

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



70.7332, 0.4114, 0.4795



95.5531, 0.3449, 0.3795



21.7895, 0.5393, 0.3225



20.3418, 0.3493, 0.3862



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.



70.7332, 0.4114, 0.4795



87.1839, 0.4218, 0.4934



64.8598, 0.3516, 0.5210



16.7049, 0.3269, 0.3512



38.5744, 0.4270, 0.4991



2.8837, 0.4258, 0.5001

Inverse Universe

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



12.2119, 0.1793, 0.1124



9.9720, 0.1601, 0.0794



15.7775, 0.2296, 0.1308



13.9863, 0.2980, 0.3058



3.4016, 0.1508, 0.0628



0.2868, 0.1530, 0.0706

Previews

White Background



This preview shows how the Yxy color 70.7299, 0.4114, 0.4795 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 70.7299, 0.4114, 0.4795 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 70.7299, 0.4114, 0.4795

Background



This preview shows how black text looks on a background with the Yxy color 70.7299, 0.4114, 0.4795.



This preview shows how white text looks on a background with the Yxy color 70.7299, 0.4114, 0.4795.

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

70.7299, 0.4114, 0.4795

Protanopia

70.4929, 0.4262, 0.4693

Deuteranopia

70.5169, 0.3921, 0.3938



Tritanopia

70.3250, 0.3270, 0.3115

Trichromacy



Original Color

70.7299, 0.4114, 0.4795

Protanomaly

70.6555, 0.4209, 0.4733

Deuteranomaly

70.0606, 0.4026, 0.4276

Tritanomaly

69.3084, 0.3640, 0.3777

Monochromacy



Original Color

70.7299, 0.4114, 0.4795

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

65.1264, 0.3543, 0.3948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7299, 0.4114, 0.4795 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(231, 224, 69)` looks like.

```
.text, #text, p{  
    color:rgb(231, 224, 69)  
}
```

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(231, 224, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 224, 69) }
```

Border

The CSS property to change the border of an element to Yxy 70.7299, 0.4114, 0.4795 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(231, 224, 69) }
```

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

```
.border{ border-color:rgb(231, 224, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 224, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 224, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 224, 69);  
box-shadow:4px 4px 4px 4px rgb(231, 224,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7299, 0.4114, 0.4795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 224, 69) }
```

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

```
.background{ background-color: rgb(231,  
224, 69) }
```

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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