

Converting Colors

$Y_{xy}(70.1201, 0.4086, 0.4749)$

Have a look what the booklet for
Yxy(70.1201, 0.4086, 0.4749)
contains.

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Color

Yxy(70.1201, 0.4086, 0.4749)

Conversions

Conversions Part 1

Format	Color
Hex	E6DF4C
RGB	230, 223, 76
RGB Percent	90%, 87%, 30%
CMY	0.0980, 0.1255, 0.7017
CMYK	0.00, 0.03, 0.67, 0.10
HSL	57°, 75%, 60%
HSV	57°, 67%, 90%
XYZ	60.3307, 70.1201, 17.2015
YIQ	208.3350, 51.3590, -44.2330

Conversions

Conversions Part 2

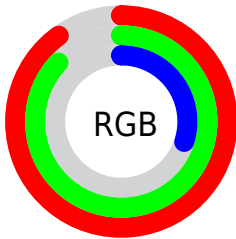
Format	Color
R _{YB}	83, 230, 76
Decimal	15130444
CIE Lab	87.06, -14.50, 69.56
CIE LCh	87, 71.059, 101.775
Yxy	70.1201, 0.4086, 0.4749
Android (android.graphics.Color)	4293320524 (0xFFE6DF4C)
YUV	208.3350, -65.2412, 19.0002
Hunter-Lab	83.7377, -17.9367, 46.4370

Details

The Yxy color **70.1201, 0.4086, 0.4749** 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 **13.4505, 0.1848, 0.1220**, and the grayscale version is **63.7190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4459, 0.3840, 0.4468**, and **36.6632, 0.4224, 0.5028** is the 20% darker color. If you saturate the color by 10%, you get **69.2999, 0.4173, 0.4870**, and if you desaturate by 10%, it is **71.0647, 0.3974, 0.4587**.

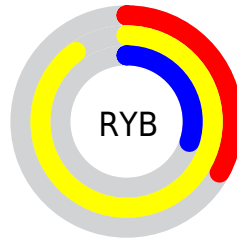
Distribution



Red (90%)

Green (87%)

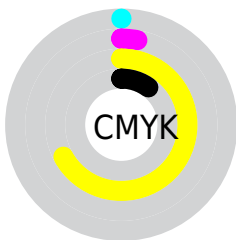
Blue (30%)



Red (33%)

Yellow (90%)

Blue (30%)

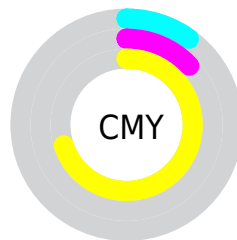


Cyan (0%)

Magenta (3%)

Yellow (67%)

Black (10%)



Cyan (10%)


Magenta (13%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1201, 0.4086, 0.4749 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 70.1201, 0.4086, 0.4749 by changing the saturation by 10% instead.


 70.1201, 0.4086,
0.4749


 70.1201, 0.4086,
0.4749


460.9716, 0.3694,
0.4097

 51.6245, 0.4154,
0.4881


 119.3800, 0.3966,
0.4535

 36.7058, 0.4224,
0.5031


 150.9131, 0.3915,
0.4447

 24.9798, 0.4291,
0.5201


 187.5607, 0.3868,
0.4371

 16.0620, 0.4343,
0.5386

 229.7073, 0.3826,
0.4303

 9.5680, 0.4385,
0.5615

 277.7373, 0.3788,
0.4243

 5.1135, 0.4268,
0.5732

332.0351, 0.3754,

 2.3140, 0.4079,

0.4189

0.5921

392.9851, 0.3723,
0.4141

0.7811, 0.3321,
0.6679

0.0000, 0.0000,
0.0000

70.1201, 0.4086,
0.4749

70.1201, 0.4086,
0.4749

69.2999, 0.4173,
0.4870

71.0647, 0.3974,
0.4587

68.5813, 0.4234,
0.4946

72.1347, 0.3842,
0.4391

67.9513, 0.4268,
0.4981

73.3432, 0.3695,
0.4170

67.7674, 0.4276,
0.4987

74.6989, 0.3541,
0.3934

■ 76.2097, 0.3384,
0.3692

■ 77.8830, 0.3230,
0.3452

■ 79.7258, 0.3083,
0.3220

■ 81.4139, 0.2974,
0.3050

■ 82.0038, 0.2974,
0.3061

Harmonies

Analogous

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



70.1201, 0.4663, 0.4237



70.1201, 0.4086, 0.4749



70.1201, 0.3300, 0.4868

Triad

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



70.1201, 0.4086, 0.4749



70.1201, 0.1682, 0.2590



70.1201, 0.3629, 0.2498

Complementary

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



70.1201, 0.4086, 0.4749



13.4505, 0.1848, 0.1220

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.



70.1201, 0.2758, 0.2141



70.1201, 0.4086, 0.4749



70.1201, 0.1743, 0.2139

Square

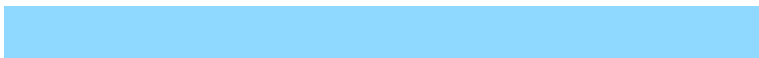
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.1201, 0.4086, 0.4749



70.1201, 0.1934, 0.3392



70.1201, 0.2102, 0.2008



70.1201, 0.4438, 0.3018

Rectangle

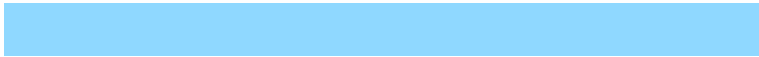
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.1201, 0.4086, 0.4749



70.1201, 0.2760, 0.4581



70.1201, 0.2102, 0.2008



70.1201, 0.3327, 0.2357

Sweetspot

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



70.1234, 0.4086, 0.4749



95.6656, 0.3434, 0.3769



22.6385, 0.5243, 0.3224



20.3604, 0.3478, 0.3837



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.



70.1234, 0.4086, 0.4749



87.2298, 0.4198, 0.4902



64.6748, 0.3514, 0.5136



16.6986, 0.3269, 0.3512



38.4106, 0.4275, 0.4988



2.8734, 0.4262, 0.4998

Inverse Universe

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



13.4505, 0.1848, 0.1220



11.1868, 0.1646, 0.0875



16.9411, 0.2341, 0.1386



13.9919, 0.2980, 0.3058



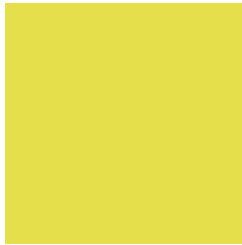
3.4111, 0.1508, 0.0629



0.2895, 0.1531, 0.0712

Previews

White Background



This preview shows how the Yxy color 70.1201, 0.4086, 0.4749 looks on a white background.

Color Contrast Check

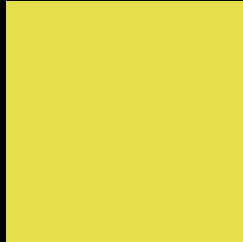
Large Text (above 18pt) WCAG AA × Fail

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 70.1201, 0.4086, 0.4749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

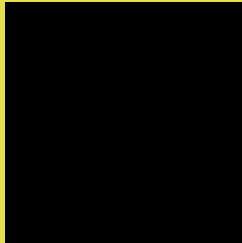
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.1201, 0.4086, 0.4749

Background



This preview shows how black text looks on a background with the Yxy color 70.1201, 0.4086, 0.4749.



This preview shows how white text looks on a background with the Yxy color 70.1201, 0.4086, 0.4749.

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

70.1201, 0.4086, 0.4749

Protanopia

69.8839, 0.4234, 0.4649

Deuteranopia

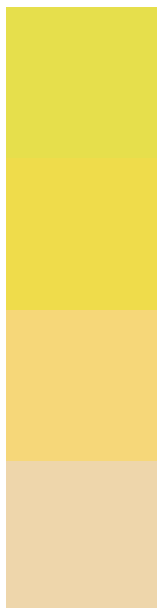
69.9239, 0.3947, 0.3958



Tritanopia

70.0919, 0.3270, 0.3124

Trichromacy



Original Color

70.1201, 0.4086, 0.4749

Protanomaly

70.0451, 0.4181, 0.4689

Deuteranomaly

69.5742, 0.4025, 0.4258

Tritanomaly

69.2106, 0.3618, 0.3757

Monochromacy



Original Color

70.1201, 0.4086, 0.4749

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.7255, 0.3525, 0.3903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1201, 0.4086, 0.4749 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(230, 223, 76)` looks like.

```
.text, #text, p{  
    color:rgb(230, 223, 76)  
}
```

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(230, 223, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 223, 76) }
```

Border

The CSS property to change the border of an element to Yxy 70.1201, 0.4086, 0.4749 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(230, 223, 76) }
```

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

```
.border{ border-color:rgb(230, 223, 76) }
```

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

Here you see how a box with a 4 pixel rgb(230, 223, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 223, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 223, 76);  
box-shadow:4px 4px 4px 4px rgb(230, 223,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1201, 0.4086, 0.4749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 223, 76) }
```

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

```
.background{ background-color: rgb(230,  
223, 76) }
```

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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