

Converting Colors

$Yxy(69.1913, 0.3971, 0.4687)$

Have a look what the booklet for
Yxy(69.1913, 0.3971, 0.4687)
contains.

Yxy(69.1846, 0.3974, 0.4690)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.1846, 0.3974, 0.4690)

Conversions

Conversions Part 1

Format	Color
Hex	DFDF59
RGB	223, 223, 89
RGB Percent	87%, 87%, 35%
CMY	0.1255, 0.1255, 0.6511
CMYK	0.00, 0.00, 0.60, 0.13
HSL	60°, 68%, 61%
HSV	60°, 60%, 87%
XYZ	58.6225, 69.1846, 19.7080
YIQ	207.7240, 43.0140, -41.6740

Conversions

Conversions Part 2

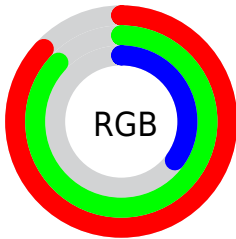
Format	Color
R _Y B	89, 223, 89
Decimal	14671705
CIE Lab	86.60, -16.61, 63.76
CIE LCh	87, 65.884, 104.604
Yxy	69.1846, 0.3974, 0.4690
Android (android.graphics.Color)	4292861785 (0xFFDFDF59)
YUV	207.7240, -58.5309, 13.3971
Hunter-Lab	83.1773, -19.7552, 44.1759

Details

The Yxy color **69.1846, 0.3974, 0.4690** 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 **14.5903, 0.1961, 0.1362**, and the grayscale version is **63.2542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7936, 0.3777, 0.4365**, and **36.0983, 0.4105, 0.4980** is the 20% darker color. If you saturate the color by 10%, you get **68.8683, 0.4067, 0.4843**, and if you desaturate by 10%, it is **69.6207, 0.3859, 0.4499**.

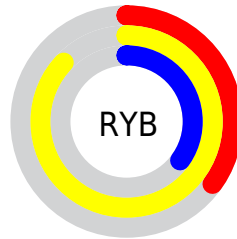
Distribution



Red (87%)

Green (87%)

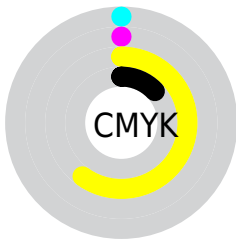
Blue (35%)



Red (35%)

Yellow (87%)

Blue (35%)

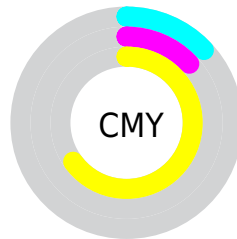


Cyan (0%)

Magenta (0%)

Yellow (60%)

Black (13%)



Cyan (13%)


Magenta (13%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.1846, 0.3974, 0.4690 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 69.1846, 0.3974, 0.4690 by changing the saturation by 10% instead.


 69.1846, 0.3974,
0.4690


 69.1846, 0.3974,
0.4690


457.6818, 0.3623,
0.4050

 50.8621, 0.4037,
0.4825

 118.0452, 0.3865,
0.4475

 36.0988, 0.4103,
0.4983


 149.3521, 0.3819,
0.4389

 24.5105, 0.4169,
0.5166


 185.7558, 0.3777,
0.4314

 15.7128, 0.4223,
0.5376

 227.6408, 0.3740,
0.4248

 9.3211, 0.4307,
0.5693

275.3916, 0.3706,
0.4190

 4.9512, 0.4170,
0.5830

329.3924, 0.3676,

 2.2187, 0.3945,

0.4138

0.6055

390.0276, 0.3648,
0.4092

0.7301, 0.2832,
0.7168

0.0000, 0.0000,
0.0000

69.1846, 0.3974,
0.4690

69.1846, 0.3974,
0.4690

68.8683, 0.4067,
0.4843

69.6207, 0.3859,
0.4499

68.6516, 0.4133,
0.4954

70.1764, 0.3725,
0.4279

68.5252, 0.4174,
0.5021

70.8630, 0.3580,
0.4039

68.4670, 0.4193,
0.5053

71.6884, 0.3429,
0.3789

 72.6594, 0.3277,
0.3538

 73.7826, 0.3129,
0.3293

 75.0643, 0.2987,
0.3058

 75.6872, 0.2927,
0.2958

 75.6872, 0.2927,
0.2958

Harmonies

Analogous

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



69.1846, 0.4535, 0.4247



69.1846, 0.3974, 0.4690



69.1846, 0.3227, 0.4730

Triad

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



69.1846, 0.3974, 0.4690



69.1846, 0.1757, 0.2587



69.1846, 0.3677, 0.2586

Complementary

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



69.1846, 0.3974, 0.4690



14.5903, 0.1961, 0.1362

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.



69.1846, 0.2856, 0.2229



69.1846, 0.3974, 0.4690



69.1846, 0.1840, 0.2186

Square

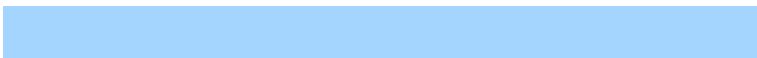
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.1846, 0.3974, 0.4690



69.1846, 0.1972, 0.3310



69.1846, 0.2210, 0.2082



69.1846, 0.4403, 0.3092

Rectangle

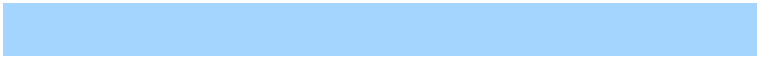
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.1846, 0.3974, 0.4690



69.1846, 0.2723, 0.4421



69.1846, 0.2210, 0.2082



69.1846, 0.3397, 0.2447

Sweetspot

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



69.1878, 0.3974, 0.4690



97.3884, 0.3399, 0.3740



23.5875, 0.4980, 0.3272



20.7682, 0.3444, 0.3813



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.



69.1878, 0.3974, 0.4690



93.2399, 0.4085, 0.4874



60.7907, 0.3468, 0.4980



16.0296, 0.3267, 0.3522



40.2552, 0.4193, 0.5053



2.7903, 0.4193, 0.5053

Inverse Universe

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



14.5903, 0.1961, 0.1362



13.1323, 0.1739, 0.0995



19.3138, 0.2484, 0.1590



13.2433, 0.2980, 0.3047



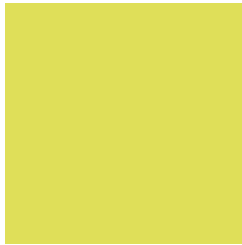
3.1326, 0.1500, 0.0600



0.2171, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 69.1846, 0.3974, 0.4690 looks on a white background.

Color Contrast Check

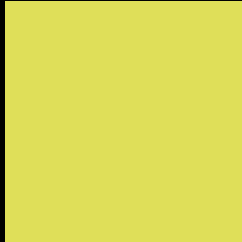
Large Text (above 18pt) WCAG AA × Fail

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 69.1846, 0.3974, 0.4690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

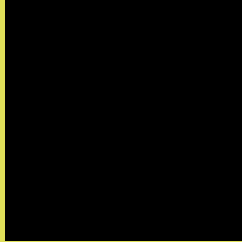
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.1846, 0.3974, 0.4690

Background



This preview shows how black text looks on a background with the Yxy color 69.1846, 0.3974, 0.4690.

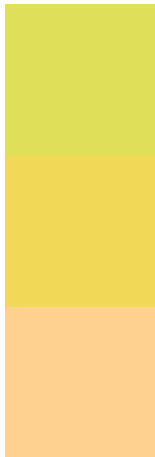


This preview shows how white text looks on a background with the Yxy color 69.1846, 0.3974, 0.4690.

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

69.1846, 0.3974, 0.4690

Protanopia

69.0146, 0.4164, 0.4575

Deuteranopia

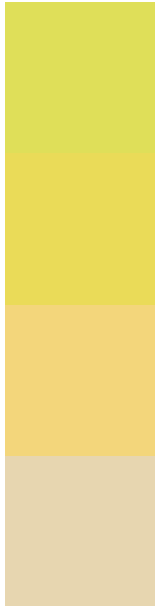
68.8441, 0.3977, 0.3968



Tritanopia

68.8700, 0.3217, 0.3121

Trichromacy



Original Color

69.1846, 0.3974, 0.4690

Protanomaly

68.8600, 0.4090, 0.4616

Deuteranomaly

68.5779, 0.3993, 0.4240

Tritanomaly

68.2166, 0.3526, 0.3710

Monochromacy



Original Color

69.1846, 0.3974, 0.4690

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.4512, 0.3465, 0.3849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.1846, 0.3974, 0.4690 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(223, 223, 89)` looks like.

```
.text, #text, p{  
    color:rgb(223, 223, 89)  
}
```

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(223, 223, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 223, 89) }
```

Border

The CSS property to change the border of an element to Yxy 69.1846, 0.3974, 0.4690 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(223, 223, 89) }
```

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

```
.border{ border-color:rgb(223, 223, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 223, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 223, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 223, 89);  
box-shadow:4px 4px 4px 4px rgb(223, 223,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 69.1846, 0.3974, 0.4690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 223, 89) }
```

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

```
.background{ background-color: rgb(223,  
223, 89) }
```

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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