

Converting Colors

$Yxy(69.6280, 0.4062, 0.4764)$

Have a look what the booklet for
Yxy(69.6280, 0.4062, 0.4764)
contains.

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Color

Yxy(69.6280, 0.4062, 0.4764)

Conversions

Conversions Part 1

Format	Color
Hex	E3DF4C
RGB	227, 223, 76
RGB Percent	89%, 87%, 30%
CMY	0.1099, 0.1255, 0.7017
CMYK	0.00, 0.02, 0.66, 0.11
HSL	58°, 73%, 59%
HSV	58°, 66%, 89%
XYZ	59.3680, 69.6280, 17.1585
YIQ	207.4380, 49.5710, -44.8690

Conversions

Conversions Part 2

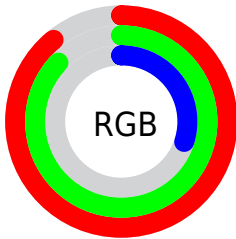
Format	Color
RYB	80, 227, 76
Decimal	14933836
CIELab	86.81, -15.76, 69.24
CIElCh	87, 71.008, 102.821
Yxy	69.6280, 0.4062, 0.4764
Android (android.graphics.Color)	4293123916 (0xFFE3DF4C)
YUV	207.4380, -64.7989, 17.1559
Hunter-Lab	83.4434, -19.0275, 46.2185

Details

The Yxy color **69.6280, 0.4062, 0.4764** 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 **12.8262, 0.1849, 0.1203**, and the grayscale version is **63.1010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4459, 0.3840, 0.4468**, and **36.3301, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **69.0504, 0.4145, 0.4888**, and if you desaturate by 10%, it is **70.3245, 0.3954, 0.4599**.

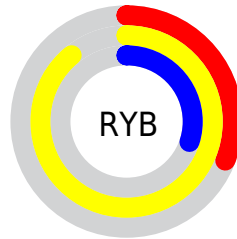
Distribution



Red (89%)

Green (87%)

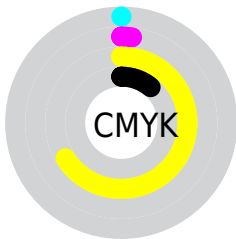
Blue (30%)



Red (31%)

Yellow (89%)

Blue (30%)

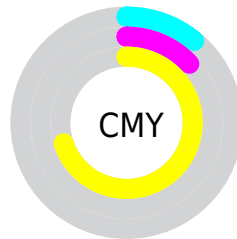


Cyan (0%)

Magenta (2%)

Yellow (66%)

Black (11%)



Cyan (11%)


Magenta (13%)

Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.6280, 0.4062, 0.4764 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 69.6280, 0.4062, 0.4764 by changing the saturation by 10% instead.


 69.6280, 0.4062,
0.4764


 69.6280, 0.4062,
0.4764

459.2428, 0.3681,
0.4102


 51.2233, 0.4127,
0.4899


 118.6781, 0.3946,
0.4545


 36.3864, 0.4195,
0.5053


 150.0923, 0.3896,
0.4457

 24.7327, 0.4258,
0.5228


 186.6118, 0.3850,
0.4379

 15.8781, 0.4305,
0.5421

 228.6211, 0.3810,
0.4310

 9.4379, 0.4339,
0.5661

 276.5044, 0.3773,
0.4249

 5.0279, 0.4210,
0.5790


330.6461, 0.3739,

 2.2636, 0.4001,


0.4195


0.5999

391.4308, 0.3709,
0.4146


 0.7544, 0.3058,
0.6942

 0.0000, 0.0000,
0.0000


 69.6280, 0.4062,
0.4764


 69.6280, 0.4062,
0.4764


 69.0504, 0.4145,
0.4888

 70.3245, 0.3954,
0.4599

 68.5697, 0.4202,
0.4968


 71.1408, 0.3825,
0.4399


 68.1737, 0.4233,
0.5007

 72.0895, 0.3682,
0.4174


 68.0455, 0.4240,
0.5015


 73.1788, 0.3531,
0.3934

 74.4165, 0.3376,
0.3688

 75.8098, 0.3223,
0.3444

 77.3654, 0.3076,
0.3208

 78.9177, 0.2954,
0.3011

 79.2465, 0.2954,
0.3017

Harmonies

Analogous

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



69.6280, 0.4650, 0.4259



69.6280, 0.4062, 0.4764



69.6280, 0.3271, 0.4864

Triad

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



69.6280, 0.4062, 0.4764



69.6280, 0.1677, 0.2567



69.6280, 0.3661, 0.2513

Complementary

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



69.6280, 0.4062, 0.4764



12.8262, 0.1849, 0.1203

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.



69.6280, 0.2785, 0.2149



69.6280, 0.4062, 0.4764



69.6280, 0.1748, 0.2128

Square

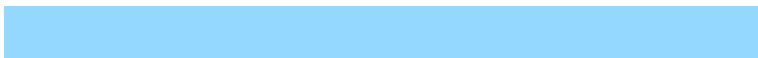
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.6280, 0.4062, 0.4764



69.6280, 0.1918, 0.3359



69.6280, 0.2118, 0.2007



69.6280, 0.4462, 0.3037

Rectangle

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



69.6280, 0.4062, 0.4764



69.6280, 0.2732, 0.4560



69.6280, 0.2118, 0.2007



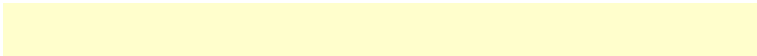
69.6280, 0.3359, 0.2370

Sweetspot

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



69.6312, 0.4062, 0.4764



96.2865, 0.3432, 0.3778



22.1008, 0.5255, 0.3248



20.5118, 0.3476, 0.3848



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.



69.6312, 0.4062, 0.4764



89.6423, 0.4171, 0.4926



62.5735, 0.3495, 0.5136



16.7487, 0.3268, 0.3516



39.7206, 0.4240, 0.5016



2.9559, 0.4232, 0.5022

Inverse Universe

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



12.8262, 0.1849, 0.1203



10.7879, 0.1639, 0.0848



16.8786, 0.2372, 0.1410



13.9476, 0.2980, 0.3053



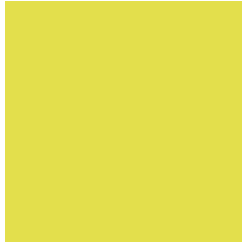
3.3364, 0.1505, 0.0617



0.2681, 0.1518, 0.0665

Previews

White Background



This preview shows how the Yxy color 69.6280, 0.4062, 0.4764 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 69.6280, 0.4062, 0.4764 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 69.6280, 0.4062, 0.4764

Background



This preview shows how black text looks on a background with the Yxy color 69.6280, 0.4062, 0.4764.



This preview shows how white text looks on a background with the Yxy color 69.6280, 0.4062, 0.4764.

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

69.6280, 0.4062, 0.4764

Protanopia

69.7055, 0.4226, 0.4654

Deuteranopia

69.3364, 0.3973, 0.3978



Tritanopia

69.5624, 0.3247, 0.3123

Trichromacy



Original Color

69.6280, 0.4062, 0.4764

Protanomaly

69.6989, 0.4165, 0.4699

Deuteranomaly

69.3453, 0.4029, 0.4280

Tritanomaly

68.6956, 0.3594, 0.3760

Monochromacy



Original Color

69.6280, 0.4062, 0.4764

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

64.3878, 0.3516, 0.3918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6280, 0.4062, 0.4764 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(227, 223, 76)` looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 223, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 223, 76) }
```

Border

The CSS property to change the border of an element to Yxy 69.6280, 0.4062, 0.4764 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(227, 223, 76) }
```

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

```
.border{ border-color:rgb(227, 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(227, 223, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 223, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 223, 76);  
box-shadow:4px 4px 4px 4px rgb(227, 223,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6280, 0.4062, 0.4764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 223, 76) }
```

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

```
.background{ background-color: rgb(227,  
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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