

Converting Colors

$Y_{xy}(70.1485, 0.3765, 0.4218)$

Have a look what the booklet for
Yxy(70.1485, 0.3765, 0.4218)
contains.

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Color

Yxy(70.1485, 0.3765, 0.4218)

Conversions

Conversions Part 1

Format	Color
Hex	E5DD88
RGB	229, 221, 136
RGB Percent	90%, 87%, 53%
CMY	0.1020, 0.1333, 0.4665
CMYK	0.00, 0.03, 0.41, 0.10
HSL	55°, 64%, 72%
HSV	55°, 41%, 90%
XYZ	62.6148, 70.1485, 33.5442
YIQ	213.7020, 32.0530, -24.7390

Conversions

Conversions Part 2

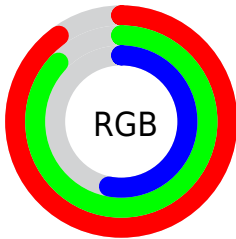
Format	Color
R _{YB}	145, 229, 136
Decimal	15064456
CIE Lab	87.07, -9.21, 42.63
CIE LCh	87, 43.612, 102.185
Yxy	70.1485, 0.3765, 0.4218
Android (android.graphics.Color)	4293254536 (0xFFE5DD88)
YUV	213.7020, -38.3071, 13.4163
Hunter-Lab	83.7547, -13.1246, 34.8823

Details

The Yxy color **70.1485, 0.3765, 0.4218** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **30.8488, 0.2390, 0.2151**, and the grayscale version is **67.2840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4977, 0.3514, 0.3929**, and **36.6832, 0.3900, 0.4436** is the 20% darker color. If you saturate the color by 10%, you get **68.5348, 0.3916, 0.4425**, and if you desaturate by 10%, it is **71.9199, 0.3606, 0.3993**.

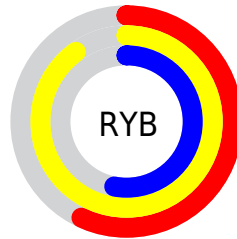
Distribution



Red (90%)

Green (87%)

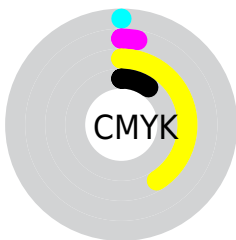
Blue (53%)



Red (57%)

Yellow (90%)

Blue (53%)

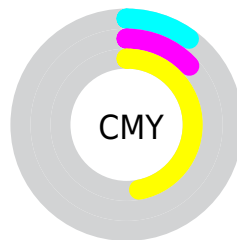


Cyan (0%)

Magenta (3%)

Yellow (41%)

Black (10%)



Cyan (10%)


Magenta (13%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1485, 0.3765, 0.4218 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 70.1485, 0.3765, 0.4218 by changing the saturation by 10% instead.

 70.1485, 0.3765,
0.4218


 70.1485, 0.3765,
0.4218


461.0712, 0.3481,
0.3786


 51.6476, 0.3825,
0.4315


 119.4205, 0.3670,
0.4069

 36.7243, 0.3896,
0.4432

 150.9604, 0.3632,
0.4011

 24.9941, 0.3980,
0.4577


 187.6154, 0.3598,
0.3961

 16.0726, 0.4078,
0.4758

229.7700, 0.3569,
0.3917

 9.5756, 0.4188,
0.4985

277.8084, 0.3543,
0.3878

 5.1185, 0.4361,
0.5344

332.1152, 0.3520,

 2.3169, 0.4376,

0.3844

0.5624

393.0747, 0.3499,
0.3814

0.7827, 0.3988,
0.6012

0.0000, 0.0000,
0.0000

70.1485, 0.3765,
0.4218

70.1485, 0.3765,
0.4218

68.5348, 0.3916,
0.4425

71.9199, 0.3606,
0.3993

67.0602, 0.4052,
0.4605


73.8476, 0.3445,
0.3761

65.7179, 0.4167,
0.4749


75.9423, 0.3287,
0.3529


64.4965, 0.4256,
0.4850

78.2112, 0.3136,
0.3303

 63.3822, 0.4318,
0.4906

 80.6607, 0.2994,
0.3088

 62.4104, 0.4355,
0.4924

 82.0525, 0.2967,
0.3064

 83.1724, 0.2967,
0.3085

 84.3047, 0.2968,
0.3105

 85.4495, 0.2968,
0.3125

Harmonies

Analogous

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



70.1485, 0.4108, 0.3955



70.1485, 0.3765, 0.4218



70.1485, 0.3267, 0.4218

Triad

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



70.1485, 0.3765, 0.4218



70.1485, 0.2178, 0.2875



70.1485, 0.3456, 0.2781

Complementary

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



70.1485, 0.3765, 0.4218



30.8488, 0.2390, 0.2151

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.



70.1485, 0.2915, 0.2533



70.1485, 0.3765, 0.4218



70.1485, 0.2217, 0.2556

Square

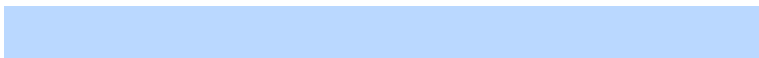
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.1485, 0.3765, 0.4218



70.1485, 0.2365, 0.3368



70.1485, 0.2474, 0.2447



70.1485, 0.3935, 0.3145

Rectangle

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



70.1485, 0.3765, 0.4218



70.1485, 0.2919, 0.4033



70.1485, 0.2474, 0.2447



70.1485, 0.3273, 0.2683

Sweetspot

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



70.1517, 0.3765, 0.4218



96.5164, 0.3310, 0.3563



36.3301, 0.4055, 0.3185



20.5815, 0.3331, 0.3593



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.



70.1517, 0.3765, 0.4218



87.7293, 0.3897, 0.4400



68.9979, 0.3451, 0.4397



16.5940, 0.3270, 0.3503



35.7730, 0.4352, 0.4927



2.7062, 0.4326, 0.4947

Inverse Universe

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



30.8488, 0.2390, 0.2151



30.9585, 0.2210, 0.1861



32.1842, 0.2671, 0.2137



14.0853, 0.2980, 0.3068



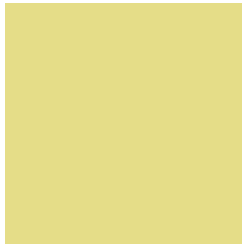
3.5860, 0.1516, 0.0658



0.3342, 0.1558, 0.0807

Previews

White Background



This preview shows how the Yxy color 70.1485, 0.3765, 0.4218 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 70.1485, 0.3765, 0.4218 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 70.1485, 0.3765, 0.4218

Background



This preview shows how black text looks on a background with the Yxy color 70.1485, 0.3765, 0.4218.



This preview shows how white text looks on a background with the Yxy color 70.1485, 0.3765, 0.4218.

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

70.1485, 0.3765, 0.4218

Protanopia

70.0692, 0.3856, 0.4176

Deuteranopia

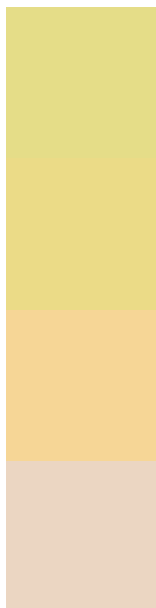
69.8218, 0.3863, 0.3828



Tritanopia

69.9900, 0.3225, 0.3113

Trichromacy



Original Color

70.1485, 0.3765, 0.4218

Protanomaly

70.0745, 0.3828, 0.4193

Deuteranomaly

69.8880, 0.3834, 0.3966

Tritanomaly

69.6503, 0.3426, 0.3507

Monochromacy



Original Color

70.1485, 0.3765, 0.4218

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.2309, 0.3355, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1485, 0.3765, 0.4218 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(229, 221, 136)` looks like.

```
.text, #text, p{  
    color:rgb(229, 221, 136)  
}
```

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(229, 221, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 221, 136) }
```

Border

The CSS property to change the border of an element to Yxy 70.1485, 0.3765, 0.4218 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(229, 221, 136) }
```

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

```
.border{ border-color:rgb(229, 221, 136) }
```

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

Here you see how a box with a 4 pixel rgb(229, 221, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 221, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 221, 136);  
box-shadow:4px 4px 4px 4px rgb(229, 221,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1485, 0.3765, 0.4218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 221, 136) }
```

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

```
.background{ background-color: rgb(229,  
221, 136) }
```

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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