

Converting Colors

$Yxy(73.7766, 0.3748, 0.4313)$

Have a look what the booklet for
Yxy(73.7766, 0.3748, 0.4313)
contains.

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Color

Yxy(73.6742, 0.3748, 0.4316)

Conversions

Conversions Part 1

Format	Color
Hex	E4E485
RGB	228, 228, 133
RGB Percent	89%, 89%, 52%
CMY	0.1058, 0.1059, 0.4783
CMYK	0.00, 0.00, 0.42, 0.11
HSL	60°, 64%, 71%
HSV	60°, 42%, 89%
XYZ	63.9784, 73.6742, 33.0476
YIQ	217.1700, 30.4950, -29.5450

Conversions

Conversions Part 2

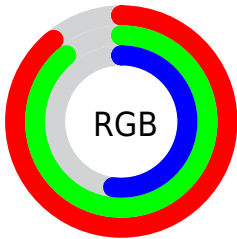
Format	Color
RYB	133, 228, 133
Decimal	15000709
CIELab	88.77, -13.39, 46.23
CIElCh	89, 48.128, 106.155
Yxy	73.6742, 0.3748, 0.4316
Android (android.graphics.Color)	4293190789 (0xFFE4E485)
YUV	217.1700, -41.4958, 9.4979
Hunter-Lab	85.8337, -17.1592, 37.2558

Details

The Yxy color **73.6742, 0.3748, 0.4316** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.3802, 0.2351, 0.2006**, and the grayscale version is **69.7904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4108, 0.3526, 0.3949**, and **39.1391, 0.3865, 0.4554** is the 20% darker color. If you saturate the color by 10%, you get **73.1109, 0.3879, 0.4532**, and if you desaturate by 10%, it is **74.3810, 0.3604, 0.4078**.

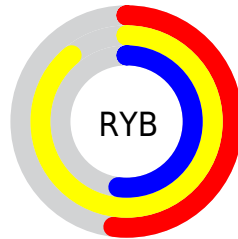
Distribution



Red (89%)

Green (89%)

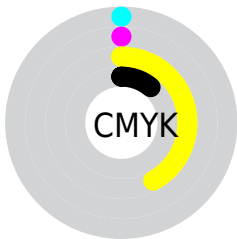
Blue (52%)



Red (52%)

Yellow (89%)

Blue (52%)

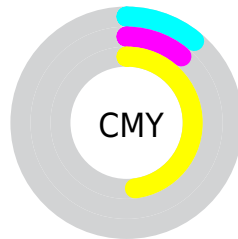


Cyan (0%)

Magenta (0%)

Yellow (42%)

Black (11%)



Cyan (11%)

Magenta (11%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.6742, 0.3748, 0.4316 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 73.6742, 0.3748, 0.4316 by changing the saturation by 10% instead.


 73.6742, 0.3748,
0.4316


 73.6742, 0.3748,
0.4316

473.3482, 0.3478,
0.3840


 54.5274, 0.3803,
0.4422


 124.4339, 0.3659,
0.4153

 39.0235, 0.3866,
0.4550

 156.8155, 0.3623,
0.4088

 26.7780, 0.3940,
0.4708


 194.3776, 0.3592,
0.4033

 17.4066, 0.4022,
0.4904

237.5045, 0.3564,
0.3985

 10.5248, 0.4107,
0.5148

286.5806, 0.3539,
0.3942

 5.7483, 0.4239,
0.5534

341.9903, 0.3516,

 2.6926, 0.4178,

0.3904

0.5822

404.1181, 0.3496,
0.3871

0.9734, 0.3796,
0.6204

0.0000, 0.0000,
0.0000

73.6742, 0.3748,
0.4316

73.6742, 0.3748,
0.4316

73.1109, 0.3879,
0.4532

74.3810, 0.3604,
0.4078

72.6722, 0.3991,
0.4718


75.2294, 0.3453,
0.3829


72.3513, 0.4080,
0.4864

76.2302, 0.3301,
0.3577

72.1368, 0.4142,
0.4968

77.3904, 0.3151,
0.3330

 72.0148, 0.4179,
0.5028


 78.7167, 0.3008,
0.3094

 71.9652, 0.4194,
0.5052

 79.2221, 0.2960,
0.3014

 79.2252, 0.2960,
0.3014

 79.2283, 0.2960,
0.3014

 79.2314, 0.2960,
0.3014

Harmonies

Analogous

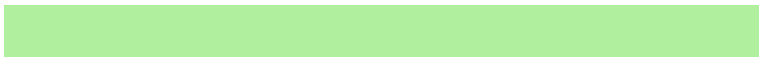
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.6742, 0.4152, 0.4051



73.6742, 0.3748, 0.4316



73.6742, 0.3198, 0.4277

Triad

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



73.6742, 0.3748, 0.4316



73.6742, 0.2098, 0.2778



73.6742, 0.3560, 0.2787

Complementary

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



73.6742, 0.3748, 0.4316



27.3802, 0.2351, 0.2006

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.



73.6742, 0.2970, 0.2502



73.6742, 0.3748, 0.4316



73.6742, 0.2171, 0.2469

Square

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



73.6742, 0.3748, 0.4316



73.6742, 0.2264, 0.3293



73.6742, 0.2474, 0.2384



73.6742, 0.4058, 0.3187

Rectangle

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



73.6742, 0.3748, 0.4316



73.6742, 0.2826, 0.4045



73.6742, 0.2474, 0.2384



73.6742, 0.3363, 0.2676

Sweetspot

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



73.6776, 0.3748, 0.4316



98.1787, 0.3307, 0.3587



35.0183, 0.4184, 0.3275



20.9758, 0.3327, 0.3620



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.



73.6776, 0.3748, 0.4316



94.3052, 0.3862, 0.4505



67.1512, 0.3399, 0.4450



16.8166, 0.3268, 0.3522



41.5466, 0.4194, 0.5052



3.0704, 0.4194, 0.5052

Inverse Universe

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



27.3802, 0.2351, 0.2006



27.0870, 0.2163, 0.1697



31.9617, 0.2725, 0.2126



13.8878, 0.2980, 0.3047



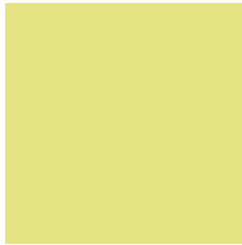
3.2354, 0.1500, 0.0600



0.2393, 0.1500, 0.0601

Previews

White Background



This preview shows how the Yxy color 73.6742, 0.3748, 0.4316 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 73.6742, 0.3748, 0.4316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

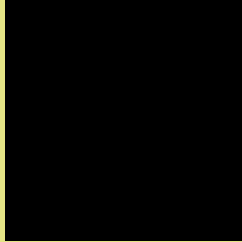
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.6742, 0.3748, 0.4316

Background



This preview shows how black text looks on a background with the Yxy color 73.6742, 0.3748, 0.4316.



This preview shows how white text looks on a background with the Yxy color 73.6742, 0.3748, 0.4316.

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

73.6742, 0.3748, 0.4316

Protanopia

73.6471, 0.3906, 0.4243

Deuteranopia

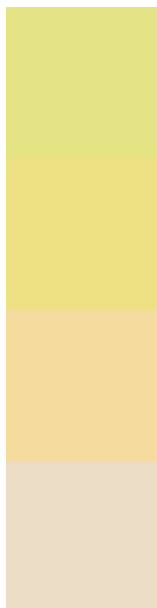
73.3503, 0.3738, 0.3744



Tritanopia

73.3456, 0.3179, 0.3114

Trichromacy



Original Color

73.6742, 0.3748, 0.4316

Protanomaly

73.6935, 0.3844, 0.4270

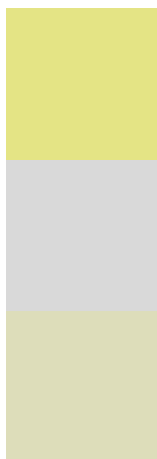
Deuteranomaly

73.0675, 0.3747, 0.3944

Tritanomaly

72.8798, 0.3394, 0.3538

Monochromacy



Original Color

73.6742, 0.3748, 0.4316

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

70.6302, 0.3364, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.6742, 0.3748, 0.4316 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(228, 228, 133)` looks like.

```
.text, #text, p{  
    color:rgb(228, 228, 133)  
}
```

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(228, 228, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 228, 133) }
```

Border

The CSS property to change the border of an element to Yxy 73.6742, 0.3748, 0.4316 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(228, 228, 133) }
```

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

```
.border{ border-color:rgb(228, 228, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 228, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 228, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 228, 133); box-shadow:4px 4px 4px 4px rgb(228, 228, 133) }
```


Background

The CSS property to change the background color of an element to Yxy 73.6742, 0.3748, 0.4316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 228, 133) }
```

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

```
.background{ background-color: rgb(228,  
228, 133) }
```

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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