Converting Colors

Yxy(73.6589, 0.3700, 0.4277)

Have a look what the booklet for Yxy(73.6589, 0.3700, 0.4277) contains.

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Color

Yxy(73.4905, 0.3702, 0.4271)

Conversions

Conversions Part 1

Format	Color
Hex	E2E48A
RGB	226, 228, 138
RGB Percent	89%, 89%, 54%
CMY	0.1137, 0.1059, 0.4588
CMYK	0.01, 0.00, 0.39, 0.11
HSL	61°, 62%, 72%
HSV	61°, 39%, 89%
XYZ	63.6998, 73.4905, 34.8783
YIQ	217.1420, 27.6980, -28.4140

Conversions

Conversions Part 2

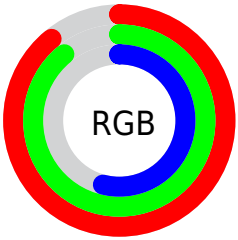
Format	Color
RYB	138, 228, 140
Decimal	14869642
CIELab	88.68, -13.65, 43.64
CIELCh	89, 45.726, 107.372
Yxy	73.4905, 0.3702, 0.4271
Android (android.graphics.Color)	4293059722 (0xFFE2E48A)
YUV	217.1420, -39.0170, 7.7685
Hunter-Lab	85.7266, -17.3858, 35.8862

Details

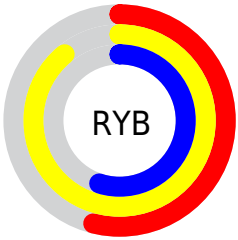
The Yxy color 73.4905, 0.3702, 0.4271 is a light color, and the websafe version is hex FFFF99. A complement of this color would be 29.3590, 0.2413, 0.2089, and the grayscale version is 69.7533, 0.3127, 0.3290.

A 20% lighter version of the original color is 96.6303, 0.3496, 0.3900, and 38.9940, 0.3810, 0.4504 is the 20% darker color. If you saturate the color by 10%, you get 72.8201, 0.3832, 0.4496, and if you desaturate by 10%, it is 74.3065, 0.3560, 0.4027.

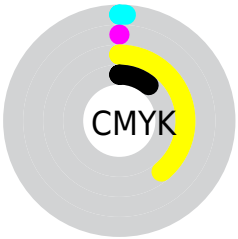
Distribution



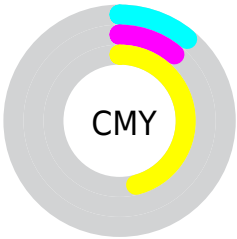
- Red (89%)
- Green (89%)
- Blue (54%)



- Red (54%)
- Yellow (89%)
- Blue (55%)



- Cyan (1%)
- Magenta (0%)
- Yellow (39%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4905, 0.3702, 0.4271 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 73.4905, 0.3702, 0.4271 by changing the saturation by 10% instead.

73.4905, 0.3702, 0.4271

73.4905, 0.3702, 0.4271

472.7130, 0.3451, 0.3814

54.3771, 0.3754, 0.4374

124.1733, 0.3619, 0.4113

38.9033, 0.3814, 0.4498

156.5115, 0.3586, 0.4052

26.6845, 0.3883, 0.4653

194.0268, 0.3556, 0.3999

17.3364, 0.3963, 0.4847

237.1035, 0.3530, 0.3952

10.4746, 0.4047, 0.5093

286.1261, 0.3507, 0.3911

5.7148, 0.4158, 0.5454

341.4790, 0.3487,

2.6724, 0.4163,

0.3875

0.5837

403.5465, 0.3468, 0.3843

0.9632, 0.3759, 0.6241

0.0000, 0.0000, 0.0000

73.4905, 0.3702, 0.4271

73.4905, 0.3702, 0.4271

72.8201, 0.3832, 0.4496

74.3065, 0.3560, 0.4027

72.2764, 0.3945, 0.4693

75.2660, 0.3413, 0.3775

71.8531, 0.4035, 0.4854

76.3797, 0.3264, 0.3523

71.5391, 0.4100, 0.4971

77.6545, 0.3120, 0.3277

71.3212, 0.4138, 0.5045

71.1779, 0.4154, 0.5082

71.1710, 0.4155, 0.5083

79.0969, 0.2981, 0.3044

79.3700, 0.2967, 0.3014

79.4528, 0.2970, 0.3015

79.5358, 0.2973, 0.3015

79.6190, 0.2977, 0.3015

Harmonies

Analogous

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

73.4905, 0.4094, 0.4033

73.4905, 0.3702, 0.4271

73.4905, 0.3175, 0.4215

Triad

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

73.4905, 0.3702, 0.4271

73.4905, 0.2141, 0.2788

73.4905, 0.3562, 0.2824

Complementary

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

73.4905, 0.3702, 0.4271

29.3590, 0.2413, 0.2089

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.

73.4905, 0.3001, 0.2544

73.4905, 0.3702, 0.4271

73.4905, 0.2221, 0.2499

Square

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

73.4905, 0.3702, 0.4271

73.4905, 0.2293, 0.3273

73.4905, 0.2520, 0.2425

73.4905, 0.4027, 0.3212

Rectangle

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

73.4905, 0.3702, 0.4271

73.4905, 0.2822, 0.3987

73.4905, 0.2520, 0.2425

73.4905, 0.3375, 0.2716

Sweetspot

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

73.4938, 0.3702, 0.4271

98.0559, 0.3303, 0.3588

36.9450, 0.4112, 0.3310

20.9466, 0.3322, 0.3621

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.

73.4938, 0.3702, 0.4271

94.0361, 0.3805, 0.4449

67.2077, 0.3366, 0.4392

16.8002, 0.3264, 0.3522

41.1041, 0.4155, 0.5083

3.0426, 0.4161, 0.5078

Inverse Universe

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

29.3590, 0.2413, 0.2089

29.9753, 0.2245, 0.1810

34.0368, 0.2778, 0.2200

13.9022, 0.2983, 0.3047

3.2599, 0.1507, 0.0604

0.2463, 0.1527, 0.0615

Previews

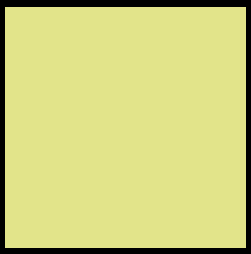
White Background

This preview shows how the Yxy color 73.4905, 0.3702, 0.4271 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



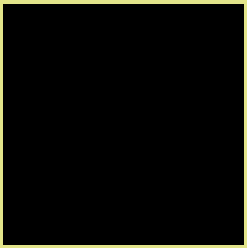
This preview shows how the Yxy color 73.4905, 0.3702, 0.4271 looks on a black background.

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 73.4905, 0.3702, 0.4271 Background



This preview shows how black text looks on a background with the Yxy color 73.4905, 0.3702, 0.4271.

This preview shows how white text looks on a background with the Yxy color 73.4905, 0.3702, 0.4271.

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
73.4905, 0.3702, 0.4271

Protanopia
73.6076, 0.3867, 0.4198

Deuteranopia
73.3503, 0.3738, 0.3744

Tritanopia
73.5707, 0.3157, 0.3114

Trichromacy

Original Color
73.4905, 0.3702, 0.4271

Protanomaly
73.6611, 0.3805, 0.4223

Deuteranomaly
72.9576, 0.3725, 0.3925

Tritanomaly
73.1601, 0.3364, 0.3527

Monochromacy

Original Color
73.4905, 0.3702, 0.4271

Achromatopsia
69.3872, 0.3127, 0.3290

Achromatomaly
70.5594, 0.3343, 0.3660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.4905, 0.3702, 0.4271 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(226, 228, 138) looks like.

```
.text, #text, p{
    color:rgb(226, 228, 138)
}
```

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(226, 228, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 228, 138) }
```

Border

The CSS property to change the border of an element to Yxy 73.4905, 0.3702, 0.4271 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(226, 228, 138) }
```

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

```
.border{ border-color:rgb(226, 228, 138) }
```

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

Here you see how a box with a 4 pixel rgb(226, 228, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 228, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 228, 138); box-shadow:4px 4px 4px 4px rgb(226, 228, 138) }
```

Background

The CSS property to change the background color of an element to Yxy 73.4905, 0.3702, 0.4271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(226, 228, 138) }
```

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

```
.background{ background-color:rgb(226,
228, 138) }
```

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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