

Converting Colors

$Yxy(74.4118, 0.3603, 0.4242)$

Have a look what the booklet for
Yxy(74.4118, 0.3603, 0.4242)
contains.

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Color

Yxy(74.4118, 0.3603, 0.4242)

Conversions

Conversions Part 1

Format	Color
Hex	DCE791
RGB	220, 231, 145
RGB Percent	86%, 91%, 57%
CMY	0.1372, 0.0941, 0.4315
CMYK	0.05, 0.00, 0.37, 0.09
HSL	68°, 64%, 74%
HSV	68°, 37%, 91%
XYZ	63.2027, 74.4118, 37.8023
YIQ	217.9070, 21.0500, -29.0780

Conversions

Conversions Part 2

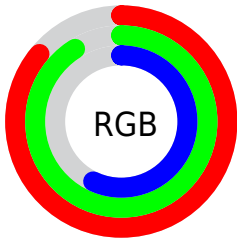
Format	Color
RYB	145, 231, 156
Decimal	14477201
CIELab	89.12, -16.67, 40.67
CIELCh	89, 43.954, 112.291
Yxy	74.4118, 0.3603, 0.4242
Android (android.graphics.Color)	4292667281 (0xFFDCE791)
YUV	217.9070, -35.9432, 1.8356
Hunter-Lab	86.2623, -20.1756, 34.4012

Details

The Yxy color **74.4118, 0.3603, 0.4242** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **33.0708, 0.2528, 0.2186**, and the grayscale version is **70.2861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9501, 0.3454, 0.3830**, and **39.3428, 0.3698, 0.4461** is the 20% darker color. If you saturate the color by 10%, you get **73.3174, 0.3717, 0.4488**, and if you desaturate by 10%, it is **75.6659, 0.3479, 0.3984**.

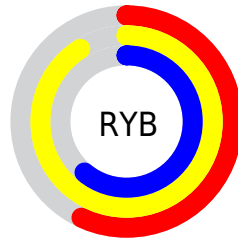
Distribution



Red (86%)

Green (91%)

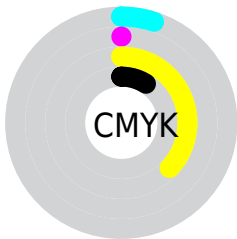
Blue (57%)



Red (57%)

Yellow (91%)

Blue (61%)

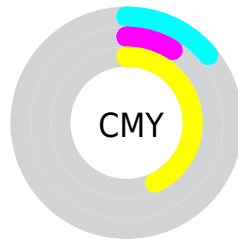


Cyan (5%)

Magenta (0%)

Yellow (37%)

Black (9%)



Cyan (14%)


Magenta (9%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.4118, 0.3603, 0.4242 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 74.4118, 0.3603, 0.4242 by changing the saturation by 10% instead.

 74.4118, 0.3603,
0.4242


 74.4118, 0.3603,
0.4242


475.8934, 0.3397,
0.3795

 55.1311, 0.3645,
0.4344

 125.4794, 0.3535,
0.4087

 39.5067, 0.3694,
0.4468


 158.0351, 0.3508,
0.4027

 27.1542, 0.3751,
0.4624


195.7847, 0.3484,
0.3975

 17.6890, 0.3815,
0.4823

239.1124, 0.3462,
0.3929

 10.7270, 0.3883,
0.5082

288.4028, 0.3443,
0.3890

 5.8836, 0.3948,
0.5436


344.0401, 0.3426,

 2.7744, 0.4011,


0.3855


0.5989


406.4089, 0.3411,
0.3823


 1.0151, 0.3524,
0.6476


 0.0000, 0.0000,
0.0000

 74.4118, 0.3603,
0.4242


 74.4118, 0.3603,
0.4242


 73.3174, 0.3717,
0.4488

 75.6659, 0.3479,
0.3984


 72.3637, 0.3815,
0.4712


 77.0778, 0.3349,
0.3723

 71.5443, 0.3891,
0.4903

 78.6583, 0.3219,
0.3468

 70.8481, 0.3943,
0.5053


 80.4146, 0.3093,
0.3224


 70.2618, 0.3968,
0.5158

 81.9964, 0.3004,
0.3048


 69.7684, 0.3969,
0.5219

 82.5021, 0.3024,
0.3050

 69.6413, 0.3967,
0.5232

 83.0161, 0.3043,
0.3051

 83.5386, 0.3062,
0.3053

 84.0695, 0.3082,
0.3054

Harmonies

Analogous

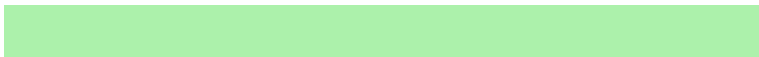
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.4118, 0.4008, 0.4056



74.4118, 0.3603, 0.4242



74.4118, 0.3090, 0.4131

Triad

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



74.4118, 0.3603, 0.4242



74.4118, 0.2177, 0.2751



74.4118, 0.3628, 0.2898

Complementary

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



74.4118, 0.3603, 0.4242



33.0708, 0.2528, 0.2186

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.



74.4118, 0.3094, 0.2607



74.4118, 0.3603, 0.4242



74.4118, 0.2289, 0.2505

Square

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



74.4118, 0.3603, 0.4242



74.4118, 0.2287, 0.3190



74.4118, 0.2610, 0.2464



74.4118, 0.4039, 0.3284

Rectangle

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



74.4118, 0.3603, 0.4242



74.4118, 0.2759, 0.3882



74.4118, 0.2610, 0.2464



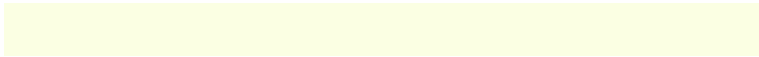
74.4118, 0.3454, 0.2788

Sweetspot

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



74.4151, 0.3603, 0.4242



97.6502, 0.3269, 0.3564



42.4746, 0.3995, 0.3409



20.8431, 0.3286, 0.3599



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.



74.4151, 0.3603, 0.4242



92.0066, 0.3695, 0.4440



68.6554, 0.3294, 0.4346



16.7189, 0.3248, 0.3524



39.0785, 0.3971, 0.5229



2.9140, 0.4005, 0.5202

Inverse Universe

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



33.0708, 0.2528, 0.2186



33.0085, 0.2371, 0.1910



38.0166, 0.2877, 0.2286



13.9749, 0.3000, 0.3048



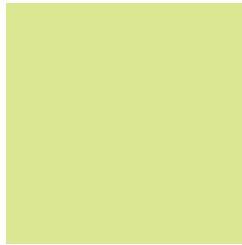
3.4142, 0.1549, 0.0627



0.2810, 0.1652, 0.0684

Previews

White Background



This preview shows how the Yxy color 74.4118, 0.3603, 0.4242 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 74.4118, 0.3603, 0.4242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

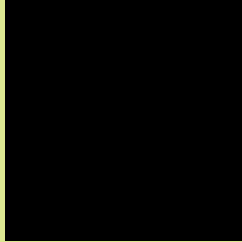
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.4118, 0.3603, 0.4242

Background



This preview shows how black text looks on a background with the Yxy color 74.4118, 0.3603, 0.4242.



This preview shows how white text looks on a background with the Yxy color 74.4118, 0.3603, 0.4242.

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

74.4118, 0.3603, 0.4242

Protanopia

74.4974, 0.3831, 0.4146

Deuteranopia

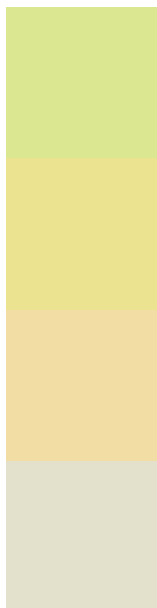
74.0600, 0.3699, 0.3702



Tritanopia

74.2897, 0.3093, 0.3112

Trichromacy



Original Color

74.4118, 0.3603, 0.4242

Protanomaly

74.5835, 0.3744, 0.4187

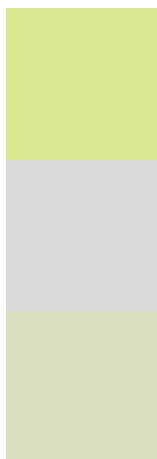
Deuteranomaly

73.8364, 0.3668, 0.3895

Tritanomaly

74.0018, 0.3281, 0.3507

Monochromacy



Original Color

74.4118, 0.3603, 0.4242

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

71.5970, 0.3312, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.4118, 0.3603, 0.4242 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(220, 231, 145)` looks like.

```
.text, #text, p{  
    color:rgb(220, 231, 145)  
}
```

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(220, 231, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 231, 145) }
```

Border

The CSS property to change the border of an element to Yxy 74.4118, 0.3603, 0.4242 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(220, 231, 145) }
```

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

```
.border{ border-color:rgb(220, 231, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 231, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 231, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 231, 145);  
box-shadow:4px 4px 4px 4px rgb(220, 231,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 74.4118, 0.3603, 0.4242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 231, 145) }
```

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

```
.background{ background-color: rgb(220,  
231, 145) }
```

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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