

Converting Colors

$Y_{xy}(73.1719, 0.3515, 0.4110)$

Have a look what the booklet for
Yxy(73.1719, 0.3515, 0.4110)
contains.

Yxy(73.1906, 0.3517, 0.4109)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(73.1906, 0.3517, 0.4109)

Conversions

Conversions Part 1

Format	Color
Hex	D9E59C
RGB	217, 229, 156
RGB Percent	85%, 90%, 61%
CMY	0.1489, 0.1020, 0.3882
CMYK	0.05, 0.00, 0.32, 0.10
HSL	70°, 58%, 75%
HSV	70°, 32%, 90%
XYZ	62.6457, 73.1906, 42.2863
YIQ	217.0900, 16.2810, -25.2470

Conversions

Conversions Part 2

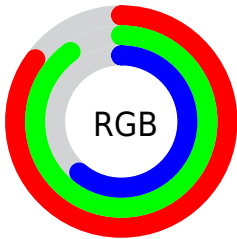
Format	Color
RYB	156, 229, 168
Decimal	14280092
CIELab	88.54, -15.47, 34.32
CIElCh	89, 37.644, 114.257
Yxy	73.1906, 0.3517, 0.4109
Android (android.graphics.Color)	4292470172 (0xFFD9E59C)
YUV	217.0900, -30.1174, -0.0789
Hunter-Lab	85.5515, -19.0072, 30.5802

Details

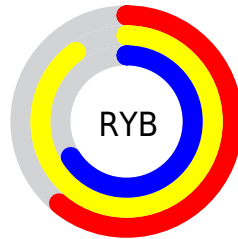
The Yxy color **73.1906, 0.3517, 0.4109** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.7626, 0.2650, 0.2373**, and the grayscale version is **69.6619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **38.8486, 0.3590, 0.4313** is the 20% darker color. If you saturate the color by 10%, you get **71.9213, 0.3631, 0.4368**, and if you desaturate by 10%, it is **74.6257, 0.3396, 0.3845**.

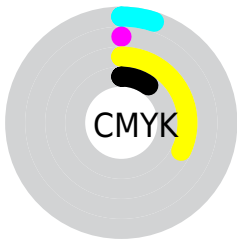
Distribution



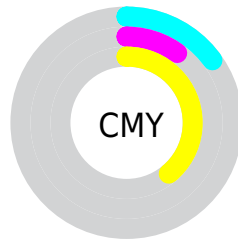
- Red (85%)
- Green (90%)
- Blue (61%)



- Red (61%)
- Yellow (90%)
- Blue (66%)



- Cyan (5%)
- Magenta (0%)
- Yellow (32%)
- Black (10%)





- Cyan (15%)
- Magenta (10%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.1906, 0.3517, 0.4109 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 73.1906, 0.3517, 0.4109 by changing the saturation by 10% instead.


 73.1906, 0.3517,
0.4109

 73.1906, 0.3517,
0.4109


471.6751, 0.3346,
0.3722

 54.1318, 0.3553,
0.4198


 123.7478, 0.3460,
0.3974

 38.7071, 0.3595,
0.4308


 156.0149, 0.3437,
0.3922

 26.5319, 0.3646,
0.4448


193.4537, 0.3417,
0.3877

 17.2220, 0.3705,
0.4628

236.4484, 0.3399,
0.3838

 10.3929, 0.3773,
0.4869

285.3836, 0.3384,
0.3803

 5.6602, 0.3842,
0.5200

340.6434, 0.3370,

 2.6396, 0.4062,

0.3773

0.5938

402.6125, 0.3357,
0.3746

0.9466, 0.3550,
0.6450

0.0000, 0.0000,
0.0000

73.1906, 0.3517,
0.4109

73.1906, 0.3517,
0.4109

71.9213, 0.3631,
0.4368

74.6257, 0.3396,
0.3845

70.7997, 0.3731,
0.4611


76.2246, 0.3272,
0.3585


69.8200, 0.3813,
0.4828

77.9976, 0.3150,
0.3335

68.9719, 0.3872,
0.5008

79.9515, 0.3031,
0.3099


 68.2437, 0.3905,
0.5146

 81.0524, 0.3011,
0.3028

 67.6213, 0.3912,
0.5237

 81.7004, 0.3036,
0.3030

 67.1746, 0.3903,
0.5283

 82.3619, 0.3061,
0.3032

 83.0371, 0.3086,
0.3034

 83.7260, 0.3111,
0.3036

Harmonies

Analogous

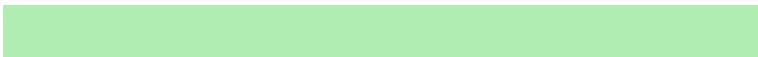
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.1906, 0.3874, 0.3975



73.1906, 0.3517, 0.4109



73.1906, 0.3071, 0.3989

Triad

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



73.1906, 0.3517, 0.4109



73.1906, 0.2298, 0.2809



73.1906, 0.3588, 0.2971

Complementary

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



73.1906, 0.3517, 0.4109



37.7626, 0.2650, 0.2373

Split Complementary

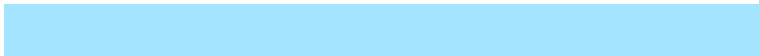
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.1906, 0.3132, 0.2706



73.1906, 0.3517, 0.4109



73.1906, 0.2410, 0.2601

Square

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



73.1906, 0.3517, 0.4109



73.1906, 0.2384, 0.3181



73.1906, 0.2705, 0.2572



73.1906, 0.3927, 0.3315

Rectangle

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



73.1906, 0.3517, 0.4109



73.1906, 0.2786, 0.3769



73.1906, 0.2705, 0.2572



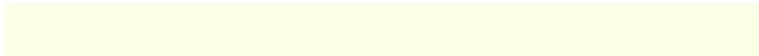
73.1906, 0.3441, 0.2871

Sweetspot

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



73.1939, 0.3517, 0.4109



97.6816, 0.3250, 0.3539



46.6832, 0.3818, 0.3419



20.8421, 0.3267, 0.3575



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.



73.1939, 0.3517, 0.4109



92.3654, 0.3590, 0.4275



68.3275, 0.3257, 0.4182



16.6915, 0.3242, 0.3524



38.4547, 0.3908, 0.5279



2.8737, 0.3952, 0.5244

Inverse Universe

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



37.7626, 0.2650, 0.2373



40.7031, 0.2534, 0.2161



42.2010, 0.2943, 0.2445



14.0000, 0.3006, 0.3049



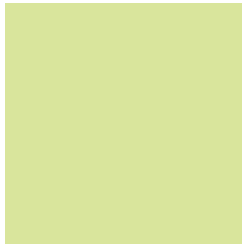
3.4991, 0.1572, 0.0640



0.2929, 0.1693, 0.0706

Previews

White Background



This preview shows how the Yxy color 73.1906, 0.3517, 0.4109 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 73.1906, 0.3517, 0.4109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

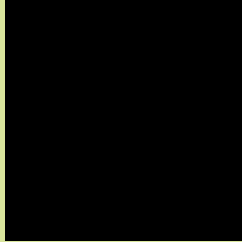
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.1906, 0.3517, 0.4109

Background



This preview shows how black text looks on a background with the Yxy color 73.1906, 0.3517, 0.4109.

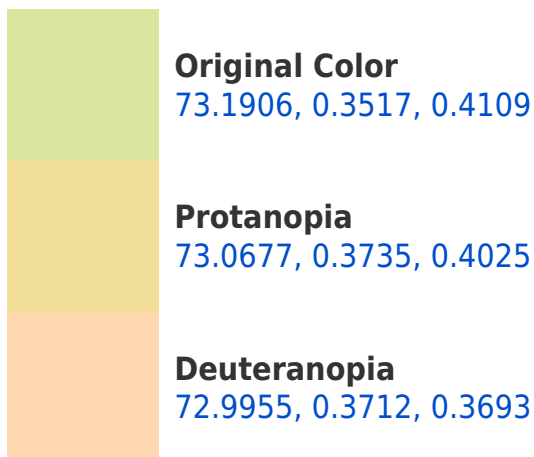


This preview shows how white text looks on a background with the Yxy color 73.1906, 0.3517, 0.4109.

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

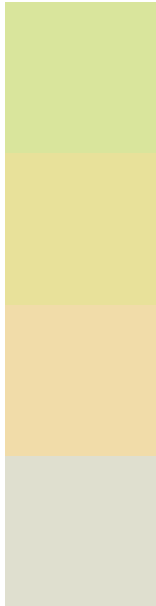




Tritanopia

73.0501, 0.3072, 0.3110

Trichromacy



Original Color

73.1906, 0.3517, 0.4109

Protanomaly

73.3393, 0.3656, 0.4060

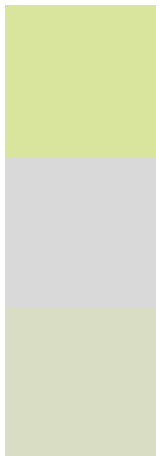
Deuteranomaly

72.7517, 0.3638, 0.3835

Tritanomaly

72.9683, 0.3233, 0.3465

Monochromacy



Original Color

73.1906, 0.3517, 0.4109

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

70.4047, 0.3272, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.1906, 0.3517, 0.4109 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(217, 229, 156)` looks like.

```
.text, #text, p{  
    color:rgb(217, 229, 156)  
}
```

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(217, 229, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 229, 156) }
```

Border

The CSS property to change the border of an element to Yxy 73.1906, 0.3517, 0.4109 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(217, 229, 156) }
```

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

```
.border{ border-color:rgb(217, 229, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 229, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 229, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 229, 156); box-shadow:4px 4px 4px 4px rgb(217, 229, 156) }
```


Background

The CSS property to change the background color of an element to Yxy 73.1906, 0.3517, 0.4109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 229, 156) }
```

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

```
.background{ background-color: rgb(217,  
229, 156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor