

Converting Colors

$Yxy(73.5555, 0.3334, 0.4190)$

Have a look what the booklet for
Yxy(73.5555, 0.3334, 0.4190)
contains.

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Color

Yxy(73.6210, 0.3337, 0.4189)

Conversions

Conversions Part 1

Format	Color
Hex	C4EB9E
RGB	196, 235, 158
RGB Percent	77%, 92%, 62%
CMY	0.2314, 0.0784, 0.3803
CMYK	0.17, 0.00, 0.33, 0.08
HSL	90°, 66%, 77%
HSV	90°, 33%, 92%
XYZ	58.6472, 73.6210, 43.4802
YIQ	214.5610, 1.4730, -32.2150

Conversions

Conversions Part 2

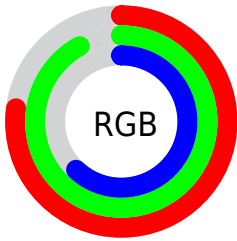
Format	Color
RYB	158, 235, 197
Decimal	12905374
CIELab	88.74, -25.81, 33.31
CIELCh	89, 42.140, 127.766
Yxy	73.6210, 0.3337, 0.4189
Android (android.graphics.Color)	4291095454 (0xFFC4EB9E)
YUV	214.5610, -27.8846, -16.2780
Hunter-Lab	85.8027, -28.1476, 30.0169

Details

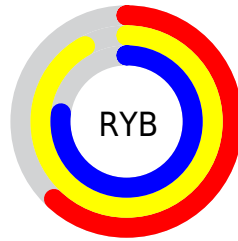
The Yxy color **73.6210, 0.3337, 0.4189** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.3374, 0.2844, 0.2396**, and the grayscale version is **67.8376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2067, 0.3362, 0.3702**, and **38.9435, 0.3367, 0.4414** is the 20% darker color. If you saturate the color by 10%, you get **71.3566, 0.3389, 0.4491**, and if you desaturate by 10%, it is **76.1733, 0.3277, 0.3894**.

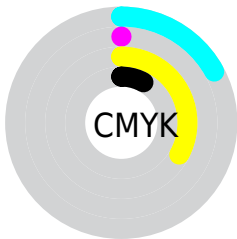
Distribution



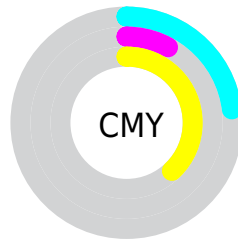
- Red (77%)
- Green (92%)
- Blue (62%)



- Red (62%)
- Yellow (92%)
- Blue (77%)



- Cyan (17%)
- Magenta (0%)
- Yellow (33%)
- Black (8%)





- Cyan (23%)
- Magenta (8%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.6210, 0.3337, 0.4189 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 73.6210, 0.3337, 0.4189 by changing the saturation by 10% instead.

 73.6210, 0.3337,
0.4189


 73.6210, 0.3337,
0.4189


473.1643, 0.3252,
0.3758

 54.4839, 0.3353,
0.4291

 124.3584, 0.3310,
0.4037

 38.9887, 0.3370,
0.4417


 156.7275, 0.3299,
0.3978

 26.7509, 0.3388,
0.4579


194.2760, 0.3289,
0.3928

 17.3862, 0.3405,
0.4793

237.3884, 0.3280,
0.3885

 10.5103, 0.3415,
0.5085

286.4490, 0.3272,
0.3847

 5.7386, 0.3399,
0.5502


341.8423, 0.3265,

 2.6868, 0.3502,


0.3814


0.6498


403.9526, 0.3258,
0.3784


 0.9705, 0.2300,
0.7700


 0.0000, 0.0000,
0.0000


 73.6210, 0.3337,
0.4189


 73.6210, 0.3337,
0.4189


 71.3566, 0.3389,
0.4491


 76.1733, 0.3277,
0.3894


 69.3587, 0.3428,
0.4790

 79.0148, 0.3212,
0.3616

 67.6178, 0.3449,
0.5070

 82.1592, 0.3145,
0.3357

 66.1197, 0.3450,
0.5315

 85.6160, 0.3080,
0.3122

■ 64.8486, 0.3429,
0.5513

■ 87.8984, 0.3136,
0.3097

■ 63.7858, 0.3386,
0.5654

■ 63.1266, 0.3347,
0.5725

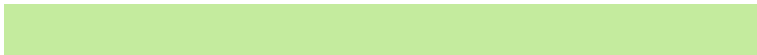
Harmonies

Analogous

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



73.6210, 0.3797, 0.4150



73.6210, 0.3337, 0.4189



73.6210, 0.2842, 0.3922

Triad

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



73.6210, 0.3337, 0.4189



73.6210, 0.2239, 0.2624



73.6210, 0.3839, 0.3098

Complementary

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



73.6210, 0.3337, 0.4189



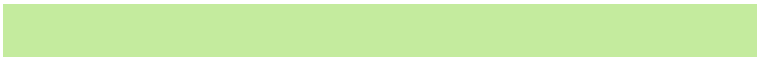
42.3374, 0.2844, 0.2396

Split Complementary

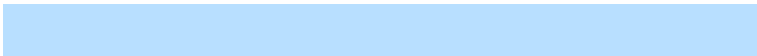
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.6210, 0.3365, 0.2761



73.6210, 0.3337, 0.4189



73.6210, 0.2456, 0.2488

Square

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



73.6210, 0.3337, 0.4189



73.6210, 0.2234, 0.2958



73.6210, 0.2856, 0.2543



73.6210, 0.4111, 0.3494

Rectangle

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



73.6210, 0.3337, 0.4189



73.6210, 0.2560, 0.3613



73.6210, 0.2856, 0.2543



73.6210, 0.3696, 0.2975

Sweetspot

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



73.6242, 0.3337, 0.4189



96.0964, 0.3194, 0.3543



59.8460, 0.3748, 0.3720



20.4576, 0.3203, 0.3581



0.0000, 0.0000, 0.0000



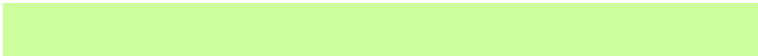
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.6242, 0.3337, 0.4189



86.8288, 0.3371, 0.4383



69.1604, 0.3081, 0.4263



17.2270, 0.3190, 0.3528



35.2075, 0.3358, 0.5716



2.8218, 0.3463, 0.5632

Inverse Universe

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



42.3374, 0.2844, 0.2396



43.9594, 0.2773, 0.2204



48.1255, 0.3165, 0.2477



14.9240, 0.3059, 0.3052



5.6000, 0.2038, 0.0896



0.4970, 0.2187, 0.0978

Previews

White Background



This preview shows how the Yxy color 73.6210, 0.3337, 0.4189 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 73.6210, 0.3337, 0.4189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

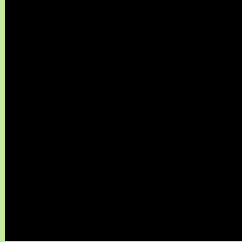
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.6210, 0.3337, 0.4189

Background



This preview shows how black text looks on a background with the Yxy color 73.6210, 0.3337, 0.4189.

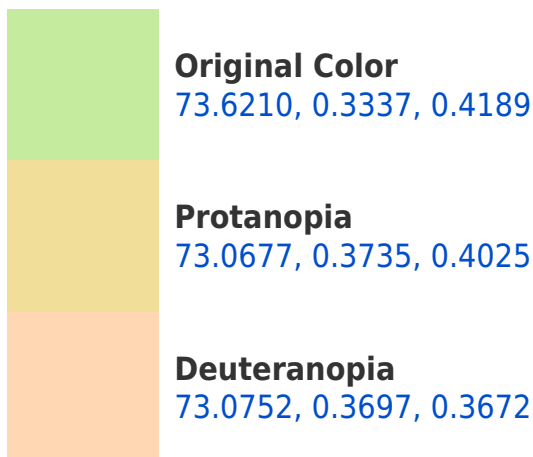


This preview shows how white text looks on a background with the Yxy color 73.6210, 0.3337, 0.4189.

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

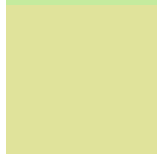
73.1320, 0.2907, 0.3095

Trichromacy



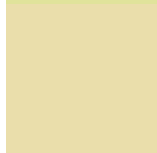
Original Color

73.6210, 0.3337, 0.4189



Protanomaly

73.1520, 0.3582, 0.4086



Deuteranomaly

72.6753, 0.3565, 0.3844



Tritanomaly

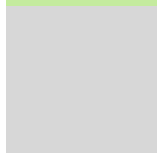
73.0273, 0.3070, 0.3481

Monochromacy



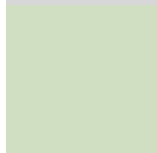
Original Color

73.6210, 0.3337, 0.4189



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

69.5475, 0.3212, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.6210, 0.3337, 0.4189 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(196, 235, 158)` looks like.

```
.text, #text, p{  
    color:rgb(196, 235, 158)  
}
```

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(196, 235, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 235, 158) }
```

Border

The CSS property to change the border of an element to Yxy 73.6210, 0.3337, 0.4189 is called "border". The border property can be set on classes, ids or directly on the HTML element.

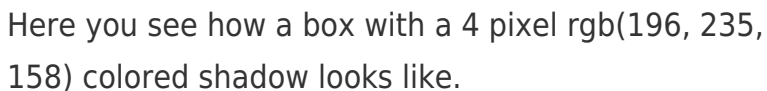
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 235, 158) }
```

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

```
.border{ border-color:rgb(196, 235, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 235, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 235, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 235, 158);  
box-shadow:4px 4px 4px 4px rgb(196, 235,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 73.6210, 0.3337, 0.4189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 235, 158) }
```

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

```
.background{ background-color: rgb(196,  
235, 158) }
```

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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