

Converting Colors

$Yxy(72.3292, 0.3117, 0.3647)$

Have a look what the booklet for
Yxy(72.3292, 0.3117, 0.3647)
contains.

Yxy(72.2580, 0.3117, 0.3647)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.2580, 0.3117, 0.3647)

Conversions

Conversions Part 1

Format	Color
Hex	C7E5C6
RGB	199, 229, 198
RGB Percent	78%, 90%, 78%
CMY	0.2198, 0.1019, 0.2235
CMYK	0.13, 0.00, 0.14, 0.10
HSL	118°, 37%, 84%
HSV	118°, 14%, 90%
XYZ	61.7571, 72.2580, 64.1149
YIQ	216.4960, -7.9290, -16.0010

Conversions

Conversions Part 2

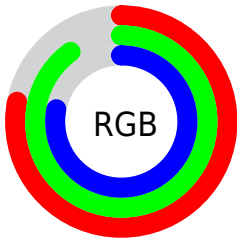
Format	Color
RYB	198, 229, 228
Decimal	13100486
CIELab	88.09, -15.61, 11.84
CIELCh	88, 19.590, 142.831
Yxy	72.2580, 0.3117, 0.3647
Android (android.graphics.Color)	4291290566 (0xFFC7E5C6)
YUV	216.4960, -9.1185, -15.3440
Hunter-Lab	85.0047, -19.0755, 14.7838

Details

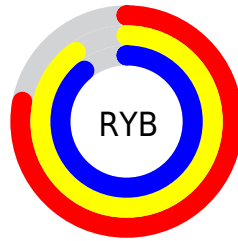
The Yxy color **72.2580, 0.3117, 0.3647** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.5467, 0.3135, 0.2956**, and the grayscale version is **69.0899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.9205, 0.3115, 0.3732** is the 20% darker color. If you saturate the color by 10%, you get **68.4665, 0.3107, 0.3951**, and if you desaturate by 10%, it is **76.6580, 0.3125, 0.3377**.

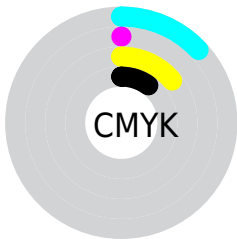
Distribution



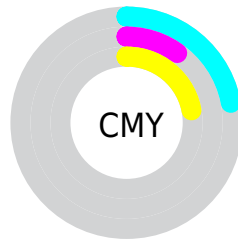
- Red (78%)
- Green (90%)
- Blue (78%)



- Red (78%)
- Yellow (90%)
- Blue (89%)



- Cyan (13%)
- Magenta (0%)
- Yellow (14%)
- Black (10%)




- Cyan (22%)
- Magenta (10%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.2580, 0.3117, 0.3647 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 72.2580, 0.3117, 0.3647 by changing the saturation by 10% instead.

 72.2580, 0.3117,
0.3647

 72.2580, 0.3117,
0.3647


468.4391, 0.3124,
0.3478

 53.3695, 0.3115,
0.3687


122.4233, 0.3120,
0.3587

 38.0978, 0.3112,
0.3737


154.4688, 0.3121,
0.3564

 26.0586, 0.3108,
0.3801


191.6687, 0.3121,
0.3545

 16.8675, 0.3102,
0.3886

234.4076, 0.3122,
0.3528

 10.1401, 0.3092,
0.4005

283.0696, 0.3123,
0.3513

 5.4919, 0.3075,
0.4184


338.0393, 0.3123,


 2.5387, 0.3039,


0.3500


0.4478


399.7010, 0.3123,
0.3488


 0.8959, 0.3107,
0.5916


 0.0000, 0.0000,
0.0000


 72.2580, 0.3117,
0.3647


 72.2580, 0.3117,
0.3647


 68.4665, 0.3107,
0.3951

 76.6580, 0.3125,
0.3377

 65.2479, 0.3096,
0.4284

 81.6818, 0.3131,
0.3142

 62.5773, 0.3082,
0.4638

 84.5273, 0.3139,
0.3039

 60.4241, 0.3067,
0.4995

■ 58.7548, 0.3051,
0.5330

■ 57.5320, 0.3035,
0.5616

■ 56.7127, 0.3020,
0.5828

■ 56.2455, 0.3009,
0.5953

■ 56.0932, 0.3005,
0.5996

Harmonies

Analogous

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



72.2580, 0.3350, 0.3710



72.2580, 0.3117, 0.3647



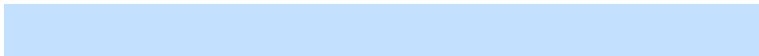
72.2580, 0.2893, 0.3476

Triad

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



72.2580, 0.3117, 0.3647



72.2580, 0.2736, 0.2926



72.2580, 0.3535, 0.3305

Complementary

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



72.2580, 0.3117, 0.3647



62.5467, 0.3135, 0.2956

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.



72.2580, 0.3359, 0.3112



72.2580, 0.3117, 0.3647



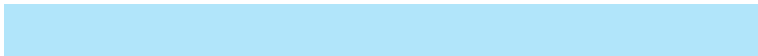
72.2580, 0.2896, 0.2898

Square

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



72.2580, 0.3117, 0.3647



72.2580, 0.2678, 0.3053



72.2580, 0.3123, 0.2966



72.2580, 0.3598, 0.3501

Rectangle

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



72.2580, 0.3117, 0.3647



72.2580, 0.2777, 0.3329



72.2580, 0.3123, 0.2966



72.2580, 0.3487, 0.3238

Sweetspot

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



72.2611, 0.3117, 0.3647



97.5339, 0.3124, 0.3389



76.2143, 0.3331, 0.3614



20.7801, 0.3124, 0.3409



0.0000, 0.0000, 0.0000



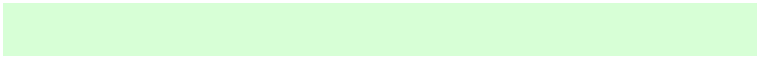
21.4041, 0.3127, 0.3290

Same Dimension

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



72.2611, 0.3117, 0.3647



90.9035, 0.3115, 0.3721



72.8298, 0.3021, 0.3478



16.1104, 0.3120, 0.3533



32.0760, 0.3007, 0.5995



2.3779, 0.3027, 0.5979

Inverse Universe

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



62.5467, 0.3135, 0.2956



76.4345, 0.3137, 0.2891



61.9296, 0.3249, 0.3109



14.5912, 0.3133, 0.3058



12.1127, 0.3132, 0.1499



0.9023, 0.3144, 0.1506

Previews

White Background



This preview shows how the Yxy color 72.2580, 0.3117, 0.3647 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 72.2580, 0.3117, 0.3647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

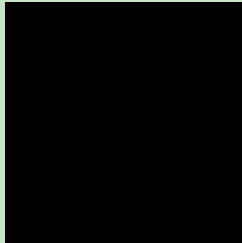
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

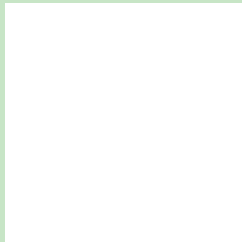
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.2580, 0.3117, 0.3647

Background



This preview shows how black text looks on a background with the Yxy color 72.2580, 0.3117, 0.3647.

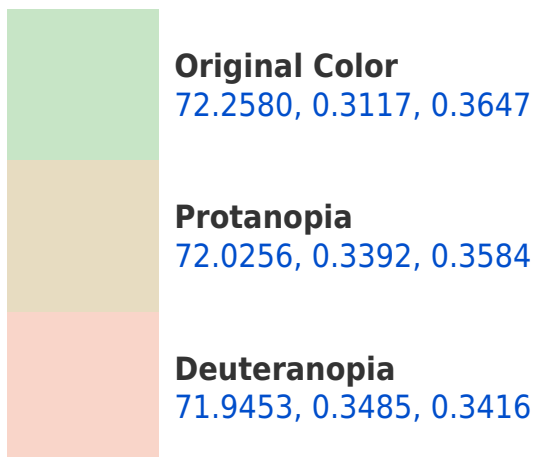


This preview shows how white text looks on a background with the Yxy color 72.2580, 0.3117, 0.3647.

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

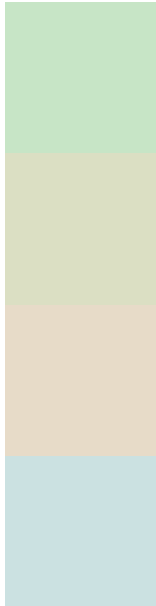




Tritanopia

72.2480, 0.2899, 0.3093

Trichromacy



Original Color

72.2580, 0.3117, 0.3647

Protanomaly

71.7756, 0.3285, 0.3602

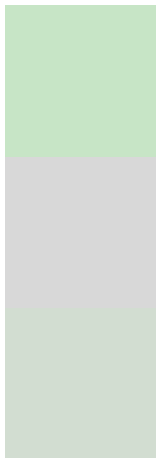
Deuteranomaly

71.8221, 0.3345, 0.3496

Tritanomaly

71.9832, 0.2977, 0.3290

Monochromacy



Original Color

72.2580, 0.3117, 0.3647

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

70.0180, 0.3128, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2580, 0.3117, 0.3647 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(199, 229, 198)` looks like.

```
.text, #text, p{  
    color:rgb(199, 229, 198)  
}
```

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(199, 229, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 229, 198) }
```

Border

The CSS property to change the border of an element to Yxy 72.2580, 0.3117, 0.3647 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(199, 229, 198) }
```

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

```
.border{ border-color:rgb(199, 229, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 229, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 229, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 229, 198);  
box-shadow:4px 4px 4px 4px rgb(199, 229,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2580, 0.3117, 0.3647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 229, 198) }
```

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

```
.background{ background-color: rgb(199,  
229, 198) }
```

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