

Converting Colors

$Yxy(72.1814, 0.3420, 0.4182)$

Have a look what the booklet for
Yxy(72.1814, 0.3420, 0.4182)
contains.

Yxy(72.1814, 0.3420, 0.4182)	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(72.1814, 0.3420, 0.4182)

Conversions

Conversions Part 1

Format	Color
Hex	CBE79A
RGB	203, 231, 154
RGB Percent	80%, 91%, 60%
CMY	0.2041, 0.0941, 0.3961
CMYK	0.12, 0.00, 0.33, 0.09
HSL	82°, 62%, 75%
HSV	82°, 33%, 91%
XYZ	59.0293, 72.1814, 41.3895
YIQ	213.8500, 8.0290, -29.8830

Conversions

Conversions Part 2

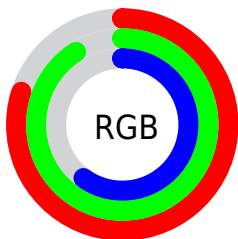
Format	Color
RYB	154, 231, 182
Decimal	13363098
CIELab	88.06, -21.92, 34.53
CIELCh	88, 40.900, 122.415
Yxy	72.1814, 0.3420, 0.4182
Android (android.graphics.Color)	4291553178 (0xFFCBE79A)
YUV	213.8500, -29.5060, -9.5154
Hunter-Lab	84.9596, -24.6590, 30.5876

Details

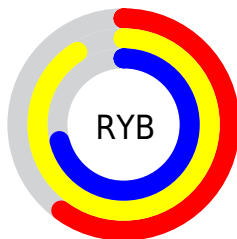
The Yxy color **72.1814, 0.3420, 0.4182** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **38.8303, 0.2747, 0.2356**, and the grayscale version is **67.3345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **37.9152, 0.3475, 0.4400** is the 20% darker color. If you saturate the color by 10%, you get **70.3383, 0.3496, 0.4466**, and if you desaturate by 10%, it is **74.2431, 0.3335, 0.3900**.

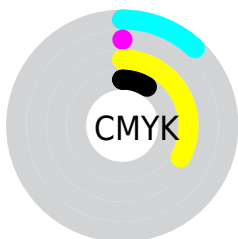
Distribution



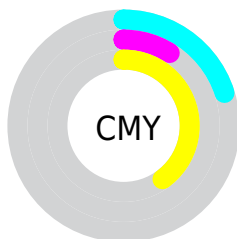
- Red (80%)
- Green (91%)
- Blue (60%)



- Red (60%)
- Yellow (91%)
- Blue (71%)



- Cyan (12%)
- Magenta (0%)
- Yellow (33%)
- Black (9%)





- Cyan (20%)
- Magenta (9%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1814, 0.3420, 0.4182 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 72.1814, 0.3420, 0.4182 by changing the saturation by 10% instead.


 72.1814, 0.3420,
0.4182


 72.1814, 0.3420,
0.4182


468.1727, 0.3296,
0.3755

 53.3069, 0.3445,
0.4282


 122.3144, 0.3380,
0.4032

 38.0478, 0.3473,
0.4406


 154.3417, 0.3363,
0.3974

 26.0198, 0.3505,
0.4565


191.5220, 0.3349,
0.3924

 16.8384, 0.3539,
0.4773

234.2397, 0.3336,
0.3881

 10.1194, 0.3572,
0.5055

282.8792, 0.3324,
0.3844

 5.4782, 0.3586,
0.5451

337.8250, 0.3314,

 2.5305, 0.3691,


0.3811


0.6309


399.4614, 0.3304,
0.3781

 0.8918, 0.2594,
0.7406

 0.0000, 0.0000,
0.0000


 72.1814, 0.3420,
0.4182


 72.1814, 0.3420,
0.4182


 70.3383, 0.3496,
0.4466

 74.2431, 0.3335,
0.3900

 68.6947, 0.3558,
0.4740


 76.5227, 0.3247,
0.3628


 67.2434, 0.3601,
0.4992


 79.0316, 0.3157,
0.3372

 65.9728, 0.3621,
0.5209


 81.7776, 0.3069,
0.3134


 64.8696, 0.3617,
0.5380

 83.7985, 0.3072,
0.3053

 63.9178, 0.3588,
0.5499

 85.3467, 0.3128,
0.3058

 63.3520, 0.3560,
0.5556

 85.6403, 0.3138,
0.3058

Harmonies

Analogous

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



72.1814, 0.3849, 0.4097



72.1814, 0.3420, 0.4182



72.1814, 0.2932, 0.3973

Triad

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



72.1814, 0.3420, 0.4182



72.1814, 0.2241, 0.2684



72.1814, 0.3750, 0.3037

Complementary

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



72.1814, 0.3420, 0.4182



38.8303, 0.2747, 0.2356

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.



72.1814, 0.3269, 0.2724



72.1814, 0.3420, 0.4182



72.1814, 0.2418, 0.2515

Square

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



72.1814, 0.3420, 0.4182



72.1814, 0.2274, 0.3043



72.1814, 0.2782, 0.2536



72.1814, 0.4061, 0.3420

Rectangle

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



72.1814, 0.3420, 0.4182



72.1814, 0.2641, 0.3692



72.1814, 0.2782, 0.2536



72.1814, 0.3601, 0.2922

Sweetspot

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



72.1846, 0.3420, 0.4182



96.7460, 0.3217, 0.3542



52.3524, 0.3803, 0.3600



20.6148, 0.3230, 0.3579



0.0000, 0.0000, 0.0000



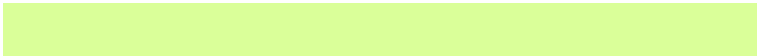
21.4041, 0.3127, 0.3290

Same Dimension

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



72.1846, 0.3420, 0.4182



88.7024, 0.3473, 0.4378



67.5513, 0.3156, 0.4260



16.5411, 0.3212, 0.3526



35.5834, 0.3569, 0.5548



2.6816, 0.3661, 0.5475

Inverse Universe

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



38.8303, 0.2747, 0.2356



40.9688, 0.2648, 0.2139



44.0115, 0.3065, 0.2438



14.1414, 0.3037, 0.3051



4.3587, 0.1791, 0.0761



0.3732, 0.1954, 0.0850

Previews

White Background



This preview shows how the Yxy color 72.1814, 0.3420, 0.4182 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 72.1814, 0.3420, 0.4182 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 72.1814, 0.3420, 0.4182

Background



This preview shows how black text looks on a background with the Yxy color 72.1814, 0.3420, 0.4182.

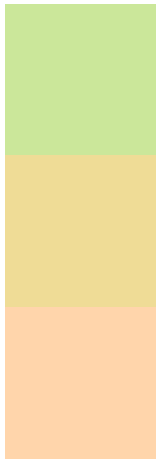


This preview shows how white text looks on a background with the Yxy color 72.1814, 0.3420, 0.4182.

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

72.1814, 0.3420, 0.4182

Protanopia

71.7391, 0.3755, 0.4039

Deuteranopia

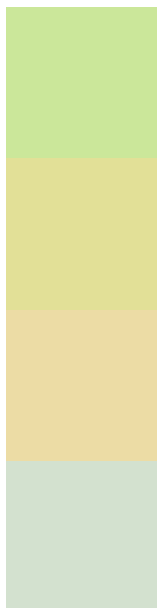
71.7888, 0.3756, 0.3725



Tritanopia

72.3330, 0.2977, 0.3107

Trichromacy



Original Color

72.1814, 0.3420, 0.4182

Protanomaly

71.7144, 0.3633, 0.4096

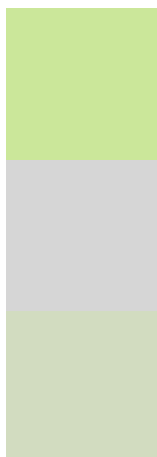
Deuteranomaly

71.7359, 0.3628, 0.3885

Tritanomaly

72.2043, 0.3146, 0.3492

Monochromacy



Original Color

72.1814, 0.3420, 0.4182

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.6938, 0.3242, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1814, 0.3420, 0.4182 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(203, 231, 154)` looks like.

```
.text, #text, p{  
    color:rgb(203, 231, 154)  
}
```

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(203, 231, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 231, 154) }
```

Border

The CSS property to change the border of an element to Yxy 72.1814, 0.3420, 0.4182 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(203, 231, 154) }
```

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

```
.border{ border-color:rgb(203, 231, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 231, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 231, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 231, 154);  
box-shadow:4px 4px 4px 4px rgb(203, 231,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1814, 0.3420, 0.4182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 231, 154) }
```

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

```
.background{ background-color: rgb(203,  
231, 154) }
```

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