

Converting Colors

Yxy(67.7243, 0.3419, 0.4208)

Have a look what the booklet for
Yxy(67.7243, 0.3419, 0.4208)
contains.

Yxy(67.7243, 0.3419, 0.4208)	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(67.7243, 0.3419, 0.4208)

Conversions

Conversions Part 1

Format	Color
Hex	C4E194
RGB	196, 225, 148
RGB Percent	77%, 88%, 58%
CMY	0.2316, 0.1176, 0.4196
CMYK	0.13, 0.00, 0.34, 0.12
HSL	83°, 56%, 73%
HSV	83°, 34%, 88%
XYZ	55.0260, 67.7243, 38.1915
YIQ	207.5510, 7.4330, -30.0950

Conversions

Conversions Part 2

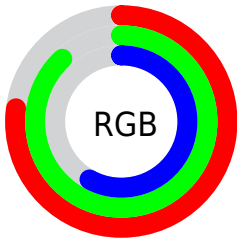
Format	Color
RYB	148, 225, 177
Decimal	12902804
CIELab	85.87, -22.37, 34.59
CIELCh	86, 41.189, 122.888
Yxy	67.7243, 0.3419, 0.4208
Android (android.graphics.Color)	4291092884 (0xFFC4E194)
YUV	207.5510, -29.3586, -10.1302
Hunter-Lab	82.2948, -24.6627, 30.0909

Details

The Yxy color **67.7243, 0.3419, 0.4208** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **35.9758, 0.2744, 0.2332**, and the grayscale version is **62.9572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7144, 0.3422, 0.3803**, and **35.2567, 0.3471, 0.4454** is the 20% darker color. If you saturate the color by 10%, you get **65.9759, 0.3491, 0.4493**, and if you desaturate by 10%, it is **69.6816, 0.3338, 0.3925**.

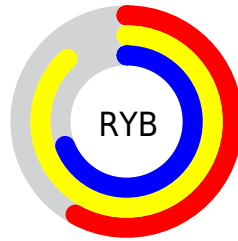
Distribution



Red (77%)

Green (88%)

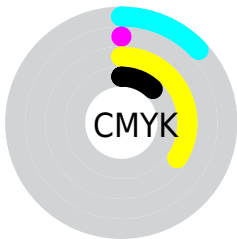
Blue (58%)



Red (58%)

Yellow (88%)

Blue (69%)

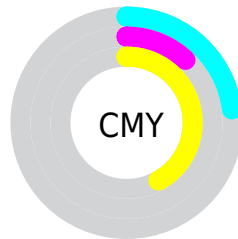


Cyan (13%)

Magenta (0%)

Yellow (34%)

Black (12%)



Cyan (23%)

Magenta (12%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7243, 0.3419, 0.4208 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 67.7243, 0.3419, 0.4208 by changing the saturation by 10% instead.


 67.7243, 0.3419,
0.4208

 67.7243, 0.3419,
0.4208


452.5186, 0.3295,
0.3763

 49.6735, 0.3444,
0.4313


 115.9576, 0.3379,
0.4050

 35.1540, 0.3472,
0.4445


 146.9090, 0.3362,
0.3990

 23.7815, 0.3503,
0.4615


182.9292, 0.3347,
0.3938

 15.1716, 0.3536,
0.4838

224.4028, 0.3334,
0.3894

 8.9399, 0.3564,
0.5144

271.7142, 0.3323,
0.3855

 4.7020, 0.3574,
0.5593

325.2476, 0.3312,

 2.0735, 0.3580,

0.3821

0.6420

385.3876, 0.3303,
0.3790

0.6497, 0.0991,
0.9009

0.0000, 0.0000,
0.0000

67.7243, 0.3419,
0.4208

67.7243, 0.3419,
0.4208

65.9759, 0.3491,
0.4493

69.6816, 0.3338,
0.3925

64.4185, 0.3549,
0.4768


71.8474, 0.3251,
0.3651

63.0449, 0.3589,
0.5019


74.2325, 0.3164,
0.3393

61.8442, 0.3605,
0.5235


76.8443, 0.3078,
0.3155


 60.8035, 0.3597,
0.5405

 79.3294, 0.3029,
0.2989

 59.9076, 0.3565,
0.5522

 80.8379, 0.3086,
0.2994

 59.4424, 0.3539,
0.5572

 82.3399, 0.3141,
0.2999

Harmonies

Analogous

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



67.7243, 0.3863, 0.4122



67.7243, 0.3419, 0.4208



67.7243, 0.2918, 0.3988

Triad

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



67.7243, 0.3419, 0.4208



67.7243, 0.2219, 0.2662



67.7243, 0.3775, 0.3036

Complementary

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



67.7243, 0.3419, 0.4208



35.9758, 0.2744, 0.2332

Split Complementary

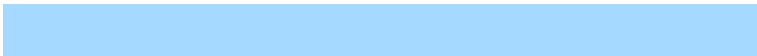
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.7243, 0.3280, 0.2713



67.7243, 0.3419, 0.4208



67.7243, 0.2403, 0.2493

Square

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



67.7243, 0.3419, 0.4208



67.7243, 0.2250, 0.3027



67.7243, 0.2779, 0.2519



67.7243, 0.4091, 0.3428

Rectangle

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



67.7243, 0.3419, 0.4208



67.7243, 0.2620, 0.3696



67.7243, 0.2779, 0.2519



67.7243, 0.3621, 0.2917

Sweetspot

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



67.7273, 0.3419, 0.4208



96.6850, 0.3215, 0.3542



49.2957, 0.3820, 0.3623



20.6000, 0.3227, 0.3579



0.0000, 0.0000, 0.0000



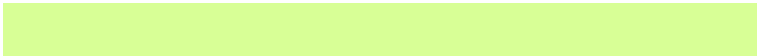
21.4041, 0.3127, 0.3290

Same Dimension

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



67.7273, 0.3419, 0.4208



88.2649, 0.3471, 0.4410



63.2955, 0.3147, 0.4291



15.7577, 0.3209, 0.3526



34.3163, 0.3549, 0.5564



2.4294, 0.3648, 0.5485

Inverse Universe

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



35.9758, 0.2744, 0.2332



40.1127, 0.2644, 0.2111



41.0289, 0.3074, 0.2419



13.4941, 0.3039, 0.3052



4.3053, 0.1813, 0.0772



0.3485, 0.1986, 0.0868

Previews

White Background



This preview shows how the Yxy color 67.7243, 0.3419, 0.4208 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 67.7243, 0.3419, 0.4208 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 67.7243, 0.3419, 0.4208

Background



This preview shows how black text looks on a background with the Yxy color 67.7243, 0.3419, 0.4208.

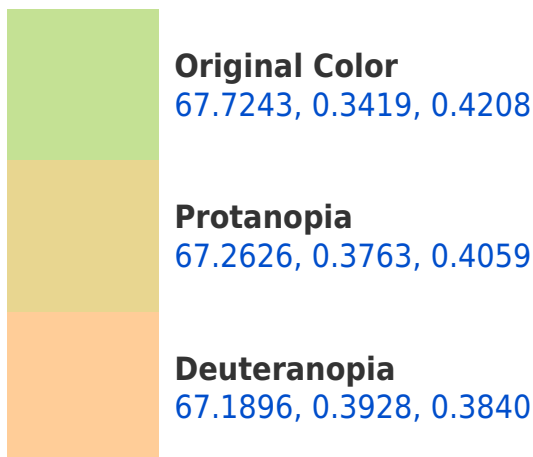


This preview shows how white text looks on a background with the Yxy color 67.7243, 0.3419, 0.4208.

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

67.8370, 0.2966, 0.3101

Trichromacy



Original Color

67.7243, 0.3419, 0.4208

Protanomaly

67.2472, 0.3638, 0.4119

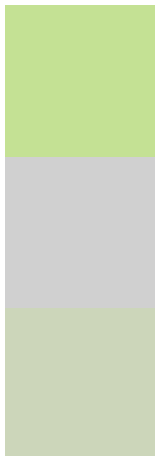
Deuteranomaly

66.8138, 0.3737, 0.3960

Tritanomaly

67.7175, 0.3139, 0.3497

Monochromacy



Original Color

67.7243, 0.3419, 0.4208

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.4757, 0.3245, 0.3619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7243, 0.3419, 0.4208 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, 225, 148)` looks like.

```
.text, #text, p{  
    color:rgb(196, 225, 148)  
}
```

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, 225, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 225, 148) }
```

Border

The CSS property to change the border of an element to Yxy 67.7243, 0.3419, 0.4208 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, 225, 148) }
```

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

```
.border{ border-color:rgb(196, 225, 148) }
```

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

Here you see how a box with a 4 pixel rgb(196, 225, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 225, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 225, 148);  
box-shadow:4px 4px 4px 4px rgb(196, 225,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7243, 0.3419, 0.4208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 225, 148) }
```

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

```
.background{ background-color: rgb(196,  
225, 148) }
```

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