

Converting Colors

$Yxy(67.1470, 0.3669, 0.4714)$

Have a look what the booklet for
Yxy(67.1470, 0.3669, 0.4714)
contains.

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Color

Yxy(66.9741, 0.3669, 0.4712)

Conversions

Conversions Part 1

Format	Color
Hex	C3E267
RGB	195, 226, 103
RGB Percent	76%, 89%, 40%
CMY	0.2353, 0.1137, 0.5960
CMYK	0.14, 0.00, 0.54, 0.11
HSL	75°, 68%, 65%
HSV	75°, 54%, 89%
XYZ	52.1494, 66.9741, 23.0117
YIQ	202.7090, 21.0070, -44.8250

Conversions

Conversions Part 2

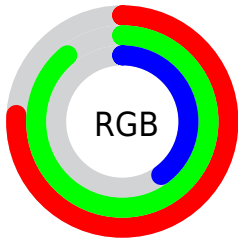
Format	Color
RYB	103, 226, 134
Decimal	12837479
CIELab	85.49, -28.13, 55.85
CIELCh	85, 62.537, 116.732
Yxy	66.9741, 0.3669, 0.4712
Android (android.graphics.Color)	4291027559 (0xFFC3E267)
YUV	202.7090, -49.1565, -6.7608
Hunter-Lab	81.8377, -29.4705, 40.6148

Details

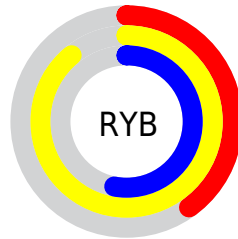
The Yxy color **66.9741, 0.3669, 0.4712** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **20.2632, 0.2309, 0.1647**, and the grayscale version is **59.8346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8370, 0.3692, 0.4252**, and **34.8365, 0.3741, 0.5058** is the 20% darker color. If you saturate the color by 10%, you get **65.8383, 0.3730, 0.4939**, and if you desaturate by 10%, it is **68.2675, 0.3589, 0.4459**.

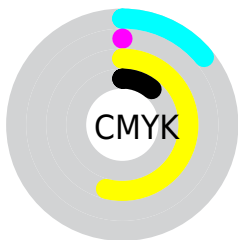
Distribution



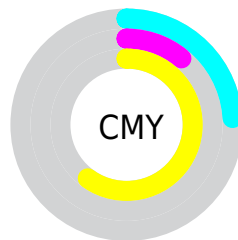
- Red (76%)
- Green (89%)
- Blue (40%)



- Red (40%)
- Yellow (89%)
- Blue (53%)



- Cyan (14%)
- Magenta (0%)
- Yellow (54%)
- Black (11%)




- Cyan (24%)
- Magenta (11%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.9741, 0.3669, 0.4712 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 66.9741, 0.3669, 0.4712 by changing the saturation by 10% instead.


 66.9741, 0.3669,
0.4712

 66.9741, 0.3669,
0.4712


449.8526, 0.3452,
0.4031

 49.0636, 0.3705,
0.4867

 114.8833, 0.3604,
0.4475


 34.6699, 0.3741,
0.5056


 145.6508, 0.3575,
0.4382

 23.4087, 0.3771,
0.5287


 181.4727, 0.3550,
0.4303

 14.8956, 0.3783,
0.5574

 222.7334, 0.3526,
0.4234

 8.7461, 0.3777,
0.5968

269.8174, 0.3505,
0.4174

 4.5760, 0.3626,
0.6374

323.1090, 0.3486,

 2.0007, 0.3214,

0.4120

0.6786

382.9926, 0.3468,
0.4073

■ 0.6079, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.9741, 0.3669,
0.4712

■ 66.9741, 0.3669,
0.4712

■ 65.8383, 0.3730,
0.4939

■ 68.2675, 0.3589,
0.4459

■ 64.8406, 0.3767,
0.5128


■ 69.7189, 0.3494,
0.4191


■ 63.9720, 0.3778,
0.5272

■ 71.3397, 0.3391,
0.3920


■ 63.2178, 0.3764,
0.5368


■ 73.1376, 0.3283,
0.3653


 62.8339, 0.3748,
0.5406

 75.1200, 0.3174,
0.3398

 77.2937, 0.3069,
0.3159

 79.2585, 0.3005,
0.2997

 80.2434, 0.3043,
0.3001

 81.2597, 0.3081,
0.3004

Harmonies

Analogous

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



66.9741, 0.4302, 0.4418



66.9741, 0.3669, 0.4712



66.9741, 0.2930, 0.4516

Triad

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



66.9741, 0.3669, 0.4712



66.9741, 0.1802, 0.2422



66.9741, 0.3967, 0.2797

Complementary

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



66.9741, 0.3669, 0.4712



20.2632, 0.2309, 0.1647

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.



66.9741, 0.3178, 0.2383



66.9741, 0.3669, 0.4712



66.9741, 0.1996, 0.2152

Square

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



66.9741, 0.3669, 0.4712



66.9741, 0.1892, 0.3000



66.9741, 0.2467, 0.2153



66.9741, 0.4533, 0.3326

Rectangle

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



66.9741, 0.3669, 0.4712



66.9741, 0.2476, 0.4084



66.9741, 0.2467, 0.2153



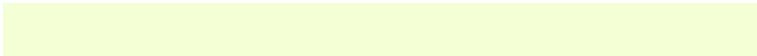
66.9741, 0.3713, 0.2642

Sweetspot

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



66.9771, 0.3669, 0.4712



95.7462, 0.3301, 0.3697



34.1324, 0.4518, 0.3645



20.3864, 0.3323, 0.3752



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.



66.9771, 0.3669, 0.4712



86.4229, 0.3734, 0.4960



60.4241, 0.3225, 0.4941



15.8465, 0.3229, 0.3524



35.9034, 0.3755, 0.5400



2.5302, 0.3826, 0.5344

Inverse Universe

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



20.2632, 0.2309, 0.1647



19.2350, 0.2110, 0.1309



26.8296, 0.2879, 0.1877



13.4094, 0.3020, 0.3050



3.6761, 0.1650, 0.0683



0.2969, 0.1807, 0.0769

Previews

White Background



This preview shows how the Yxy color 66.9741, 0.3669, 0.4712 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 66.9741, 0.3669, 0.4712 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 66.9741, 0.3669, 0.4712

Background



This preview shows how black text looks on a background with the Yxy color 66.9741, 0.3669, 0.4712.



This preview shows how white text looks on a background with the Yxy color 66.9741, 0.3669, 0.4712.

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

66.9741, 0.3669, 0.4712

Protanopia

66.3222, 0.4087, 0.4470

Deuteranopia

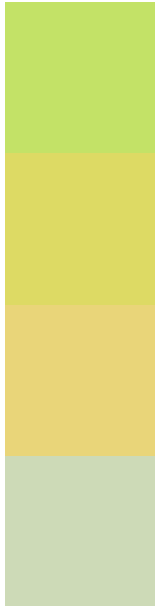
66.5886, 0.4076, 0.4037



Tritanopia

66.9473, 0.2999, 0.3112

Trichromacy



Original Color

66.9741, 0.3669, 0.4712

Protanomaly

66.4351, 0.3931, 0.4566

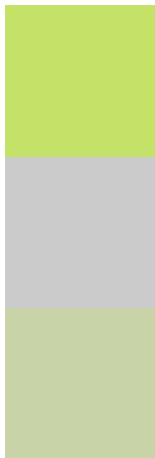
Deuteranomaly

66.2926, 0.3930, 0.4282

Tritanomaly

66.5408, 0.3269, 0.3699

Monochromacy



Original Color

66.9741, 0.3669, 0.4712

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

61.6579, 0.3352, 0.3821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9741, 0.3669, 0.4712 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(195, 226, 103)` looks like.

```
.text, #text, p{  
    color:rgb(195, 226, 103)  
}
```

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(195, 226, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 226, 103) }
```

Border

The CSS property to change the border of an element to Yxy 66.9741, 0.3669, 0.4712 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(195, 226, 103) }
```

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

```
.border{ border-color:rgb(195, 226, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 226, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 226, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 226, 103);  
box-shadow:4px 4px 4px 4px rgb(195, 226,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9741, 0.3669, 0.4712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 226, 103) }
```

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

```
.background{ background-color: rgb(195,  
226, 103) }
```

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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