

Converting Colors

Yxy(51.5317, 0.3334, 0.4672)

Have a look what the booklet for
Yxy(51.5317, 0.3334, 0.4672)
contains.

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Color

Yxy(51.4072, 0.3340, 0.4671)

Conversions

Conversions Part 1

Format	Color
Hex	93CE6B
RGB	147, 206, 107
RGB Percent	58%, 81%, 42%
CMY	0.4235, 0.1921, 0.5805
CMYK	0.29, 0.00, 0.48, 0.19
HSL	96°, 50%, 61%
HSV	96°, 48%, 81%
XYZ	36.7587, 51.4072, 21.8902
YIQ	177.0730, -3.3850, -43.2970

Conversions

Conversions Part 2

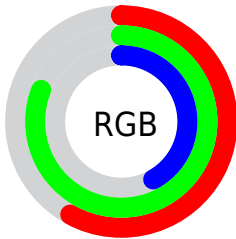
Format	Color
RYB	107, 206, 166
Decimal	9686635
CIELab	76.93, -36.25, 43.05
CIELCh	77, 56.282, 130.099
Yxy	51.4072, 0.3340, 0.4671
Android (android.graphics.Color)	4287876715 (0xFF93CE6B)
YUV	177.0730, -34.5460, -26.3740
Hunter-Lab	71.6988, -33.9591, 32.0875

Details

The Yxy color **51.4072, 0.3340, 0.4671** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **23.0728, 0.2761, 0.1983**, and the grayscale version is **44.1947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7546, 0.3337, 0.4338**, and **24.7459, 0.3346, 0.5081** is the 20% darker color. If you saturate the color by 10%, you get **49.9515, 0.3358, 0.4974**, and if you desaturate by 10%, it is **53.0917, 0.3309, 0.4359**.

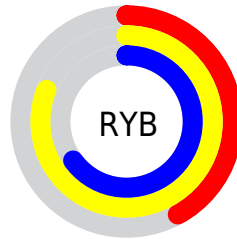
Distribution



Red (58%)

Green (81%)

Blue (42%)



Red (42%)

Yellow (81%)

Blue (65%)

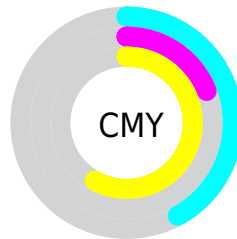


Cyan (29%)

Magenta (0%)

Yellow (48%)

Black (19%)



Cyan (42%)

Magenta (19%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4072, 0.3340, 0.4671 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 51.4072, 0.3340, 0.4671 by changing the saturation by 10% instead.


 51.4072, 0.3340,
0.4671


 51.4072, 0.3340,
0.4671


392.1438, 0.3267,
0.3958


 36.5328, 0.3346,
0.4851


 92.2564, 0.3322,
0.4409

 24.8460, 0.3344,
0.5082


 119.0000, 0.3313,
0.4311

 15.9623, 0.3328,
0.5385


 150.4687, 0.3304,
0.4229

 9.4975, 0.3277,
0.5794

 187.0470, 0.3295,
0.4159

 5.0671, 0.3207,
0.6491

229.1193, 0.3287,
0.4098

 2.2867, 0.2818,
0.7182

277.0699, 0.3280,

 0.7666, 0.0000,

0.4046

1.0000

331.2833, 0.3273,
0.3999

0.0000, 0.0000,
0.0000

51.4072, 0.3340,
0.4671

51.4072, 0.3340,
0.4671

49.9515, 0.3358,
0.4974

53.0917, 0.3309,
0.4359

48.7066, 0.3358,
0.5253

55.0087, 0.3267,
0.4053

47.6624, 0.3340,
0.5489


57.1699, 0.3220,
0.3761

46.8047, 0.3303,
0.5669


59.5845, 0.3169,
0.3491


46.1146, 0.3251,
0.5789


62.2609, 0.3117,
0.3244

 45.9956, 0.3241,
0.5809

 65.2072, 0.3066,
0.3022

 68.4311, 0.3017,
0.2824

 70.8113, 0.3079,
0.2801

 72.6240, 0.3150,
0.2811

Harmonies

Analogous

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



51.4072, 0.4033, 0.4573



51.4072, 0.3340, 0.4671



51.4072, 0.2628, 0.4229

Triad

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



51.4072, 0.3340, 0.4671



51.4072, 0.1872, 0.2281



51.4072, 0.4246, 0.3029

Complementary

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



51.4072, 0.3340, 0.4671



23.0728, 0.2761, 0.1983

Split Complementary

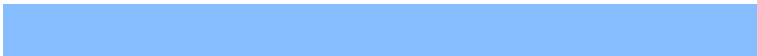
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



51.4072, 0.3530, 0.2559



51.4072, 0.3340, 0.4671



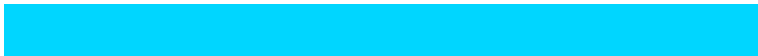
51.4072, 0.2186, 0.2138

Square

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



51.4072, 0.3340, 0.4671



51.4072, 0.1835, 0.2715



51.4072, 0.2766, 0.2244



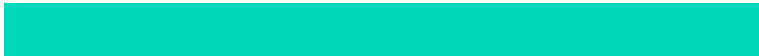
51.4072, 0.4619, 0.3577

Rectangle

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



51.4072, 0.3340, 0.4671



51.4072, 0.2240, 0.3712



51.4072, 0.2766, 0.2244



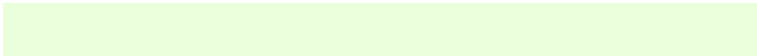
51.4072, 0.4032, 0.2860

Sweetspot

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



51.4094, 0.3340, 0.4671



94.0974, 0.3200, 0.3653



41.0019, 0.4064, 0.4014



19.9621, 0.3211, 0.3713



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.



51.4094, 0.3340, 0.4671



80.7871, 0.3358, 0.4993



48.5121, 0.3011, 0.4675



12.7546, 0.3176, 0.3525



28.3751, 0.3251, 0.5800



1.5078, 0.3409, 0.5675

Inverse Universe

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



23.0728, 0.2761, 0.1983



29.3865, 0.2650, 0.1697



27.7002, 0.3269, 0.2215



11.1688, 0.3074, 0.3057



5.3823, 0.2230, 0.1002



0.3212, 0.2419, 0.1106

Previews

White Background



This preview shows how the Yxy color 51.4072, 0.3340, 0.4671 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 51.4072, 0.3340, 0.4671 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 51.4072, 0.3340, 0.4671

Background



This preview shows how black text looks on a background with the Yxy color 51.4072, 0.3340, 0.4671.



This preview shows how white text looks on a background with the Yxy color 51.4072, 0.3340, 0.4671.

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

51.4072, 0.3340, 0.4671

Protanopia

50.7447, 0.3981, 0.4339

Deuteranopia

50.8980, 0.4131, 0.4058



Tritanopia

51.0232, 0.2782, 0.3084

Trichromacy



Original Color

51.4072, 0.3340, 0.4671



Protanomaly

50.4486, 0.3735, 0.4464



Deuteranomaly

50.1167, 0.3822, 0.4272



Tritanomaly

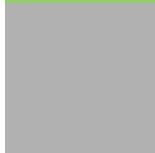
50.5734, 0.2989, 0.3630

Monochromacy



Original Color

51.4072, 0.3340, 0.4671



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

46.3404, 0.3220, 0.3789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4072, 0.3340, 0.4671 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(147, 206, 107)` looks like.

```
.text, #text, p{  
    color:rgb(147, 206, 107)  
}
```

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(147, 206, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 206, 107) }
```

Border

The CSS property to change the border of an element to Yxy 51.4072, 0.3340, 0.4671 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(147, 206, 107) }
```

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

```
.border{ border-color:rgb(147, 206, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 206, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 206, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 206, 107);  
box-shadow:4px 4px 4px 4px rgb(147, 206,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4072, 0.3340, 0.4671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 206, 107) }
```

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

```
.background{ background-color: rgb(147,  
206, 107) }
```

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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