

Converting Colors

Yxy(51.4916, 0.3716, 0.4951)

Have a look what the booklet for
Yxy(51.4916, 0.3716, 0.4951)
contains.

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Color

Yxy(51.4916, 0.3716, 0.4951)

Conversions

Conversions Part 1

Format	Color
Hex	A8CB47
RGB	168, 203, 71
RGB Percent	66%, 80%, 28%
CMY	0.3410, 0.2039, 0.7215
CMYK	0.17, 0.00, 0.65, 0.20
HSL	76°, 56%, 54%
HSV	76°, 65%, 80%
XYZ	38.6473, 51.4916, 13.8635
YIQ	177.4870, 21.5120, -48.4720

Conversions

Conversions Part 2

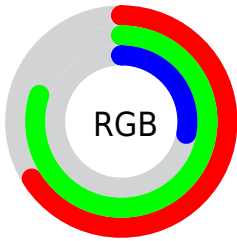
Format	Color
RYB	71, 203, 106
Decimal	11062087
CIELab	76.98, -30.34, 59.69
CIELCh	77, 66.954, 116.942
Yxy	51.4916, 0.3716, 0.4951
Android (android.graphics.Color)	4289252167 (0xFFA8CB47)
YUV	177.4870, -52.4981, -8.3201
Hunter-Lab	71.7576, -29.4392, 38.7756

Details

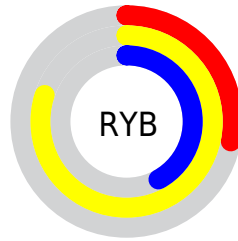
The Yxy color **51.4916, 0.3716, 0.4951** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **11.8811, 0.2140, 0.1340**, and the grayscale version is **44.5140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1694, 0.3672, 0.4623**, and **24.9440, 0.3764, 0.5383** is the 20% darker color. If you saturate the color by 10%, you get **50.6971, 0.3750, 0.5141**, and if you desaturate by 10%, it is **52.4021, 0.3658, 0.4724**.

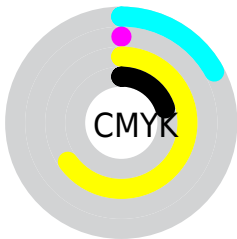
Distribution



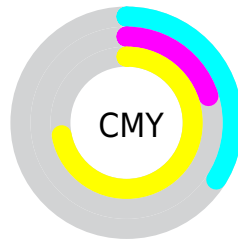
- Red (66%)
- Green (80%)
- Blue (28%)



- Red (28%)
- Yellow (80%)
- Blue (42%)



- Cyan (17%)
- Magenta (0%)
- Yellow (65%)
- Black (20%)




- Cyan (34%)
- Magenta (20%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4916, 0.3716, 0.4951 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 51.4916, 0.3716, 0.4951 by changing the saturation by 10% instead.

 51.4916, 0.3716,
0.4951


 51.4916, 0.3716,
0.4951


392.4707, 0.3484,
0.4123


 36.6000, 0.3748,
0.5144


 92.3810, 0.3650,
0.4658


 24.8979, 0.3771,
0.5378


 119.1476, 0.3620,
0.4545

 16.0010, 0.3773,
0.5664


 150.6414, 0.3592,
0.4448

 9.5249, 0.3757,
0.6062

 187.2466, 0.3566,
0.4365

 5.0851, 0.3572,
0.6428

 229.3478, 0.3542,
0.4293

 2.2973, 0.3163,
0.6837

277.3293, 0.3521,

 0.7723, 0.0000,

0.4229

1.0000

331.5755, 0.3502,
0.4173

■ 0.0000, 0.0000,
0.0000

■ 51.4916, 0.3716,
0.4951

■ 51.4916, 0.3716,
0.4951

■ 50.6971, 0.3750,
0.5141

■ 52.4021, 0.3658,
0.4724

■ 50.0025, 0.3759,
0.5286

■ 53.4299, 0.3582,
0.4471

■ 49.3985, 0.3743,
0.5384

■ 54.5844, 0.3490,
0.4204

■ 49.1211, 0.3729,
0.5421

■ 55.8723, 0.3390,
0.3933

■ 57.2997, 0.3285,
0.3667

■ 58.8720, 0.3179,
0.3412

■ 60.5948, 0.3076,
0.3173

■ 62.4729, 0.2977,
0.2952

■ 64.5112, 0.2884,
0.2750

Harmonies

Analogous

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



51.4916, 0.4453, 0.4562



51.4916, 0.3716, 0.4951



51.4916, 0.2871, 0.4749

Triad

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



51.4916, 0.3716, 0.4951



51.4916, 0.1624, 0.2276



51.4916, 0.4111, 0.2722

Complementary

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



51.4916, 0.3716, 0.4951



11.8811, 0.2140, 0.1340

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.



51.4916, 0.3183, 0.2261



51.4916, 0.3716, 0.4951



51.4916, 0.1842, 0.1991

Square

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



51.4916, 0.3716, 0.4951



51.4916, 0.1715, 0.2926



51.4916, 0.2367, 0.2001



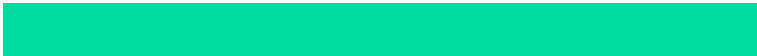
51.4916, 0.4770, 0.3309

Rectangle

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



51.4916, 0.3716, 0.4951



51.4916, 0.2357, 0.4225



51.4916, 0.2367, 0.2001



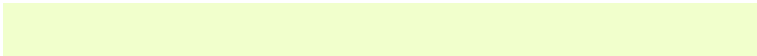
51.4916, 0.3810, 0.2550

Sweetspot

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



51.4939, 0.3716, 0.4951



94.6669, 0.3340, 0.3805



23.0524, 0.4910, 0.3685



20.1193, 0.3370, 0.3881



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.



51.4939, 0.3716, 0.4951



84.4071, 0.3757, 0.5205



46.1085, 0.3216, 0.5258



12.9414, 0.3225, 0.3522



31.3080, 0.3736, 0.5416



1.6508, 0.3829, 0.5342

Inverse Universe

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



11.8811, 0.2140, 0.1340



13.2956, 0.1909, 0.0986



17.3648, 0.2813, 0.1650



10.9853, 0.3023, 0.3053



3.2774, 0.1667, 0.0692



0.2069, 0.1880, 0.0809

Previews

White Background



This preview shows how the Yxy color 51.4916, 0.3716, 0.4951 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 51.4916, 0.3716, 0.4951 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 51.4916, 0.3716, 0.4951

Background



This preview shows how black text looks on a background with the Yxy color 51.4916, 0.3716, 0.4951.



This preview shows how white text looks on a background with the Yxy color 51.4916, 0.3716, 0.4951.

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

51.4916, 0.3716, 0.4951

Protanopia

51.2292, 0.4213, 0.4634

Deuteranopia

50.8547, 0.4437, 0.4343



Tritanopia

51.3020, 0.2961, 0.3103

Trichromacy



Original Color

51.4916, 0.3716, 0.4951

Protanomaly

51.1833, 0.4027, 0.4758

Deuteranomaly

50.3233, 0.4178, 0.4559

Tritanomaly

50.8955, 0.3281, 0.3806

Monochromacy



Original Color

51.4916, 0.3716, 0.4951

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.9515, 0.3403, 0.3948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4916, 0.3716, 0.4951 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(168, 203, 71)` looks like.

```
.text, #text, p{  
    color:rgb(168, 203, 71)  
}
```

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(168, 203, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 203, 71) }
```

Border

The CSS property to change the border of an element to Yxy 51.4916, 0.3716, 0.4951 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(168, 203, 71) }
```

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

```
.border{ border-color:rgb(168, 203, 71) }
```

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

Here you see how a box with a 4 pixel rgb(168, 203, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 203, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 203, 71);  
box-shadow:4px 4px 4px 4px rgb(168, 203,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4916, 0.3716, 0.4951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 203, 71) }
```

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

```
.background{ background-color: rgb(168,  
203, 71) }
```

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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