

Converting Colors

$Y_{xy}(51.1186, 0.3676, 0.5218)$

Have a look what the booklet for
Yxy(51.1186, 0.3676, 0.5218)
contains.

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Color

Yxy(51.3329, 0.3674, 0.5218)

Conversions

Conversions Part 1

Format	Color
Hex	9BCE31
RGB	155, 206, 49
RGB Percent	61%, 81%, 19%
CMY	0.3921, 0.1921, 0.8081
CMYK	0.25, 0.00, 0.76, 0.19
HSL	79°, 62%, 50%
HSV	79°, 76%, 81%
XYZ	36.1436, 51.3329, 10.9001
YIQ	172.8530, 20.0010, -59.6390

Conversions

Conversions Part 2

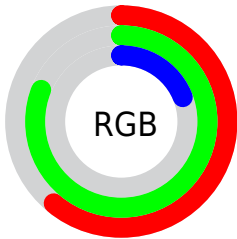
Format	Color
R _Y B	49, 206, 100
Decimal	10210865
CIE Lab	76.88, -38.10, 67.27
CIE LCh	77, 77.314, 119.526
Yxy	51.3329, 0.3674, 0.5218
Android (android.graphics.Color)	4288400945 (0xFF9BCE31)
YUV	172.8530, -61.0595, -15.6571
Hunter-Lab	71.6470, -35.3348, 41.1327

Details

The Yxy color **51.3329, 0.3674, 0.5218** 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 **9.3515, 0.2030, 0.1086**, and the grayscale version is **42.0181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7277, 0.3663, 0.4825**, and **24.7859, 0.3609, 0.5517** is the 20% darker color. If you saturate the color by 10%, you get **50.5559, 0.3670, 0.5369**, and if you desaturate by 10%, it is **52.2305, 0.3653, 0.5021**.

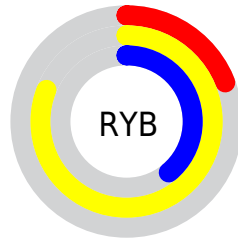
Distribution



Red (61%)

Green (81%)

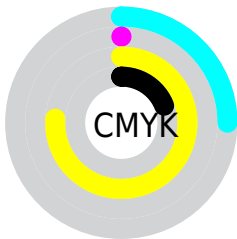
Blue (19%)



Red (19%)

Yellow (81%)

Blue (39%)

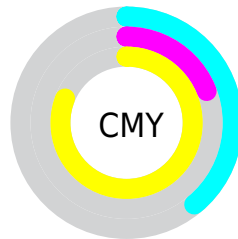


Cyan (25%)

Magenta (0%)

Yellow (76%)

Black (19%)



Cyan (39%)


Magenta (19%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.3329, 0.3674, 0.5218 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 51.3329, 0.3674, 0.5218 by changing the saturation by 10% instead.


 51.3329, 0.3674,
0.5218


 51.3329, 0.3674,
0.5218


391.8558, 0.3487,
0.4257


 36.4736, 0.3685,
0.5438


 92.1467, 0.3632,
0.4880

 24.8002, 0.3676,
0.5701


 118.8699, 0.3608,
0.4749


 15.9283, 0.3628,
0.6014


 150.3167, 0.3584,
0.4636

 9.4734, 0.3544,
0.6456

 186.8712, 0.3562,
0.4539

 5.0512, 0.3223,
0.6777

 228.9180, 0.3541,
0.4455

 2.2774, 0.2709,
0.7291

 276.8414, 0.3522,

 0.7617, 0.0000,

0.4381

1.0000

331.0259, 0.3504,
0.4315

■ 0.0000, 0.0000,
0.0000

■ 51.3329, 0.3674,
0.5218

■ 51.3329, 0.3674,
0.5218

■ 50.5559, 0.3670,
0.5369

■ 52.2305, 0.3653,
0.5021

■ 49.8800, 0.3642,
0.5470

■ 53.2520, 0.3609,
0.4786

■ 49.6444, 0.3628,
0.5501

■ 54.4086, 0.3545,
0.4525

■ 55.7080, 0.3465,
0.4250

■ 57.1575, 0.3376,
0.3972

■ 58.7636, 0.3282,
0.3701

■ 60.5324, 0.3186,
0.3443

■ 62.4698, 0.3092,
0.3202

■ 64.5811, 0.3001,
0.2979

Harmonies

Analogous

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



51.3329, 0.4535, 0.4749



51.3329, 0.3674, 0.5218



51.3329, 0.2726, 0.4952

Triad

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



51.3329, 0.3674, 0.5218



51.3329, 0.1457, 0.2088



51.3329, 0.4344, 0.2691

Complementary

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



51.3329, 0.3674, 0.5218



9.3515, 0.2030, 0.1086

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.



51.3329, 0.3273, 0.2170



51.3329, 0.3674, 0.5218



51.3329, 0.1721, 0.1820

Square

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



51.3329, 0.3674, 0.5218



51.3329, 0.1515, 0.2768



51.3329, 0.2326, 0.1863



51.3329, 0.5055, 0.3337

Rectangle

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



51.3329, 0.3674, 0.5218



51.3329, 0.2167, 0.4288



51.3329, 0.2326, 0.1863



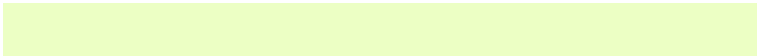
51.3329, 0.4001, 0.2498

Sweetspot

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



51.3352, 0.3674, 0.5218



93.3476, 0.3349, 0.3891



22.2042, 0.5228, 0.3814



19.7843, 0.3383, 0.3991



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.



51.3352, 0.3674, 0.5218



81.2453, 0.3656, 0.5434



45.9736, 0.3134, 0.5597



12.9071, 0.3216, 0.3522



30.6226, 0.3636, 0.5495



1.6197, 0.3748, 0.5406

Inverse Universe

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



9.3515, 0.2030, 0.1086



10.4431, 0.1812, 0.0808



16.0182, 0.2861, 0.1507



11.0179, 0.3032, 0.3054



3.5230, 0.1741, 0.0733



0.2228, 0.1963, 0.0855

Previews

White Background



This preview shows how the Yxy color 51.3329, 0.3674, 0.5218 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 51.3329, 0.3674, 0.5218 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 51.3329, 0.3674, 0.5218

Background



This preview shows how black text looks on a background with the Yxy color 51.3329, 0.3674, 0.5218.



This preview shows how white text looks on a background with the Yxy color 51.3329, 0.3674, 0.5218.

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

51.3329, 0.3674, 0.5218

Protanopia

51.1625, 0.4313, 0.4763

Deuteranopia

50.9840, 0.4546, 0.4450



Tritanopia

51.0885, 0.2872, 0.3099

Trichromacy



Original Color

51.3329, 0.3674, 0.5218

Protanomaly

50.8836, 0.4073, 0.4938

Deuteranomaly

49.9560, 0.4223, 0.4722

Tritanomaly

50.2415, 0.3223, 0.3931

Monochromacy



Original Color

51.3329, 0.3674, 0.5218

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

44.3634, 0.3412, 0.4094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3329, 0.3674, 0.5218 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(155, 206, 49)` looks like.

```
.text, #text, p{  
    color:rgb(155, 206, 49)  
}
```

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(155, 206, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 206, 49) }
```

Border

The CSS property to change the border of an element to Yxy 51.3329, 0.3674, 0.5218 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(155, 206, 49) }
```

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

```
.border{ border-color:rgb(155, 206, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 206, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 206, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 206, 49);  
box-shadow:4px 4px 4px 4px rgb(155, 206,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3329, 0.3674, 0.5218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 206, 49) }
```

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

```
.background{ background-color: rgb(155,  
206, 49) }
```

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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