

Converting Colors

Yxy(52.1245, 0.3757, 0.4535)

Have a look what the booklet for
Yxy(52.1245, 0.3757, 0.4535)
contains.

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Color

Yxy(51.9804, 0.3764, 0.4531)

Conversions

Conversions Part 1

Format	Color
Hex	BCC663
RGB	188, 198, 99
RGB Percent	74%, 78%, 39%
CMY	0.2628, 0.2235, 0.6118
CMYK	0.05, 0.00, 0.50, 0.22
HSL	66°, 46%, 58%
HSV	66°, 50%, 78%
XYZ	43.1812, 51.9804, 19.5600
YIQ	183.7240, 25.8190, -32.9090

Conversions

Conversions Part 2

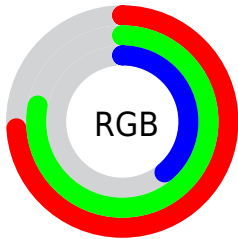
Format	Color
RYB	99, 198, 109
Decimal	12371555
CIELab	77.27, -17.65, 47.96
CIELCh	77, 51.103, 110.201
Yxy	51.9804, 0.3764, 0.4531
Android (android.graphics.Color)	4290561635 (0xFFBCC663)
YUV	183.7240, -41.7689, 3.7501
Hunter-Lab	72.0974, -19.2617, 34.3828

Details

The Yxy color **51.9804, 0.3764, 0.4531** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **16.2537, 0.2262, 0.1754**, and the grayscale version is **47.9959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3798, 0.3671, 0.4316**, and **25.1465, 0.3887, 0.4844** is the 20% darker color. If you saturate the color by 10%, you get **51.3963, 0.3861, 0.4741**, and if you desaturate by 10%, it is **52.6656, 0.3650, 0.4295**.

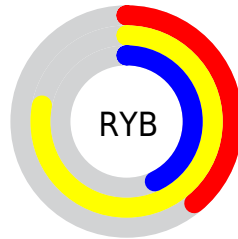
Distribution



Red (74%)

Green (78%)

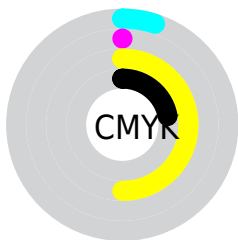
Blue (39%)



Red (39%)

Yellow (78%)

Blue (43%)

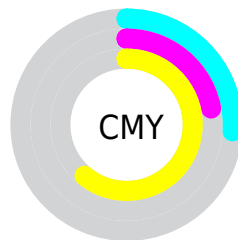


Cyan (5%)

Magenta (0%)

Yellow (50%)

Black (22%)



Cyan (26%)


Magenta (22%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9804, 0.3764, 0.4531 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 51.9804, 0.3764, 0.4531 by changing the saturation by 10% instead.


 51.9804, 0.3764,
0.4531


 51.9804, 0.3764,
0.4531


394.3609, 0.3479,
0.3917

 36.9895, 0.3820,
0.4676


 93.1023, 0.3671,
0.4313

 25.1993, 0.3883,
0.4855


 120.0021, 0.3633,
0.4229

 16.2256, 0.3949,
0.5078


 151.6403, 0.3599,
0.4158

 9.6839, 0.4006,
0.5358

 188.4012, 0.3569,
0.4097

 5.1899, 0.4136,
0.5864

230.6694, 0.3543,
0.4043

 2.3591, 0.3906,
0.6094

278.8291, 0.3519,

 0.8047, 0.2934,

0.3996

0.7066

333.2649, 0.3498,
0.3954

0.0000, 0.0000,
0.0000

51.9804, 0.3764,
0.4531

51.9804, 0.3764,
0.4531

51.3963, 0.3861,
0.4741

52.6656, 0.3650,
0.4295

50.8994, 0.3937,
0.4917

53.4510, 0.3524,
0.4045

50.4840, 0.3987,
0.5051

54.3447, 0.3391,
0.3788

50.1409, 0.4012,
0.5140

55.3520, 0.3258,
0.3535

49.8522, 0.4016,
0.5194

56.4777, 0.3127,
0.3290

■ 57.7265, 0.3002,
0.3059

■ 59.1028, 0.2883,
0.2843

■ 60.4547, 0.2788,
0.2668

■ 60.7401, 0.2801,
0.2671

Harmonies

Analogous

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



51.9804, 0.4283, 0.4226



51.9804, 0.3764, 0.4531



51.9804, 0.3105, 0.4447

Triad

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



51.9804, 0.3764, 0.4531



51.9804, 0.1922, 0.2608



51.9804, 0.3731, 0.2755

Complementary

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



51.9804, 0.3764, 0.4531



16.2537, 0.2262, 0.1754

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.



51.9804, 0.3026, 0.2407



51.9804, 0.3764, 0.4531



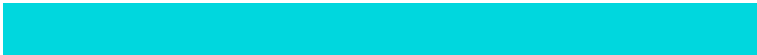
51.9804, 0.2044, 0.2296

Square

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



51.9804, 0.3764, 0.4531



51.9804, 0.2070, 0.3187



51.9804, 0.2422, 0.2240



51.9804, 0.4298, 0.3225

Rectangle

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



51.9804, 0.3764, 0.4531



51.9804, 0.2678, 0.4128



51.9804, 0.2422, 0.2240



51.9804, 0.3498, 0.2622

Sweetspot

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



51.9828, 0.3764, 0.4531



97.0491, 0.3328, 0.3666



23.8235, 0.4455, 0.3423



20.6921, 0.3356, 0.3721



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.



51.9828, 0.3764, 0.4531



90.9169, 0.3869, 0.4758



46.7488, 0.3341, 0.4729



12.3603, 0.3250, 0.3519



32.4376, 0.4018, 0.5192



1.5521, 0.4057, 0.5161

Inverse Universe

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



16.2537, 0.2262, 0.1754



20.5395, 0.2045, 0.1390



20.3109, 0.2747, 0.1935



10.3380, 0.2998, 0.3052



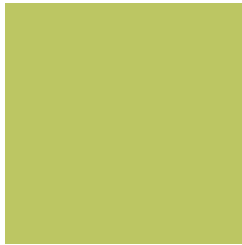
2.7664, 0.1538, 0.0621



0.1489, 0.1660, 0.0688

Previews

White Background



This preview shows how the Yxy color 51.9804, 0.3764, 0.4531 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 51.9804, 0.3764, 0.4531 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 51.9804, 0.3764, 0.4531

Background



This preview shows how black text looks on a background with the Yxy color 51.9804, 0.3764, 0.4531.



This preview shows how white text looks on a background with the Yxy color 51.9804, 0.3764, 0.4531.

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

51.9804, 0.3764, 0.4531

Protanopia

51.9736, 0.4023, 0.4388

Deuteranopia

51.7588, 0.4237, 0.4155



Tritanopia

51.8998, 0.3119, 0.3121

Trichromacy



Original Color

51.9804, 0.3764, 0.4531

Protanomaly

52.1619, 0.3926, 0.4440

Deuteranomaly

51.6775, 0.4062, 0.4284

Tritanomaly

51.5440, 0.3370, 0.3632

Monochromacy



Original Color

51.9804, 0.3764, 0.4531

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

49.0094, 0.3375, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9804, 0.3764, 0.4531 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(188, 198, 99)` looks like.

```
.text, #text, p{  
    color:rgb(188, 198, 99)  
}
```

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(188, 198, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 198, 99) }
```

Border

The CSS property to change the border of an element to Yxy 51.9804, 0.3764, 0.4531 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(188, 198, 99) }
```

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

```
.border{ border-color:rgb(188, 198, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 198, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 198, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 198, 99);  
box-shadow:4px 4px 4px 4px rgb(188, 198,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9804, 0.3764, 0.4531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 198, 99) }
```

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

```
.background{ background-color: rgb(188,  
198, 99) }
```

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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