

Converting Colors

Yxy(51.9534, 0.3841, 0.5158)

Have a look what the booklet for
Yxy(51.9534, 0.3841, 0.5158)
contains.

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Color

Yxy(52.0038, 0.3845, 0.5155)

Conversions

Conversions Part 1

Format	Color
Hex	ABCC29
RGB	171, 204, 41
RGB Percent	67%, 80%, 16%
CMY	0.3294, 0.2000, 0.8393
CMYK	0.16, 0.00, 0.80, 0.20
HSL	72°, 67%, 48%
HSV	72°, 80%, 80%
XYZ	38.7885, 52.0038, 10.0880
YIQ	175.5510, 32.6550, -57.6890

Conversions

Conversions Part 2

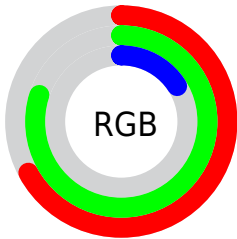
Format	Color
RYB	41, 204, 74
Decimal	11258921
CIELab	77.28, -31.21, 70.33
CIELCh	77, 76.947, 113.929
Yxy	52.0038, 0.3845, 0.5155
Android (android.graphics.Color)	4289449001 (0xFFABCC29)
YUV	175.5510, -66.3336, -3.9912
Hunter-Lab	72.1137, -30.1874, 42.1854

Details

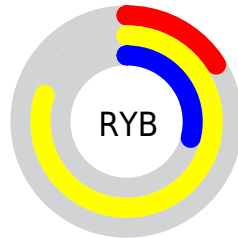
The Yxy color **52.0038, 0.3845, 0.5155** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **7.3985, 0.1821, 0.0928**, and the grayscale version is **43.5094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2826, 0.3807, 0.4804**, and **25.3901, 0.3781, 0.5380** is the 20% darker color. If you saturate the color by 10%, you get **51.4423, 0.3852, 0.5265**, and if you desaturate by 10%, it is **52.6582, 0.3812, 0.4999**.

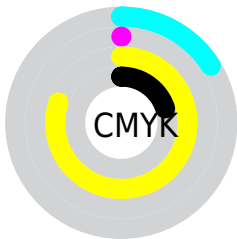
Distribution



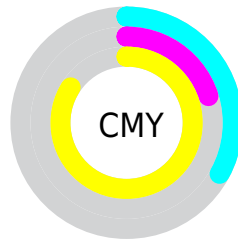
- Red (67%)
- Green (80%)
- Blue (16%)



- Red (16%)
- Yellow (80%)
- Blue (29%)



- Cyan (16%)
- Magenta (0%)
- Yellow (80%)
- Black (20%)




- Cyan (33%)
- Magenta (20%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.0038, 0.3845, 0.5155 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 52.0038, 0.3845, 0.5155 by changing the saturation by 10% instead.


 52.0038, 0.3845,
0.5155

 52.0038, 0.3845,
0.5155


394.4513, 0.3578,
0.4248

 37.0081, 0.3873,
0.5353


 93.1368, 0.3776,
0.4843

 25.2138, 0.3885,
0.5585


 120.0430, 0.3741,
0.4720


 16.2364, 0.3864,
0.5854


 151.6881, 0.3708,
0.4613

 9.6916, 0.3801,
0.6199

 188.4565, 0.3678,
0.4521

 5.1950, 0.3543,
0.6457

 230.7326, 0.3650,
0.4440

 2.3621, 0.3129,
0.6871

 278.9008, 0.3624,

 0.8063, 0.0055,

0.4368

0.9945

333.3456, 0.3600,
0.4305

0.0000, 0.0000,
0.0000

52.0038, 0.3845,
0.5155

52.0038, 0.3845,
0.5155

51.4423, 0.3852,
0.5265

52.6582, 0.3812,
0.4999

50.9480, 0.3837,
0.5335

53.4086, 0.3755,
0.4802

50.9439, 0.3837,
0.5335

54.2659, 0.3676,
0.4572

55.2378, 0.3579,
0.4320

56.3310, 0.3472,
0.4057

■ 57.5517, 0.3357,
0.3793

■ 58.9057, 0.3241,
0.3534

■ 60.3984, 0.3126,
0.3288

■ 62.0349, 0.3016,
0.3057

Harmonies

Analogous

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



52.0038, 0.4659, 0.4616



52.0038, 0.3845, 0.5155



52.0038, 0.2903, 0.5056

Triad

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



52.0038, 0.3845, 0.5155



52.0038, 0.1454, 0.2189



52.0038, 0.4147, 0.2587

Complementary

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



52.0038, 0.3845, 0.5155



7.3985, 0.1821, 0.0928

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.



52.0038, 0.3077, 0.2103



52.0038, 0.3845, 0.5155



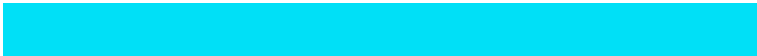
52.0038, 0.1657, 0.1854

Square

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



52.0038, 0.3845, 0.5155



52.0038, 0.1576, 0.2952



52.0038, 0.2194, 0.1844



52.0038, 0.4954, 0.3214

Rectangle

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



52.0038, 0.3845, 0.5155



52.0038, 0.2319, 0.4489



52.0038, 0.2194, 0.1844



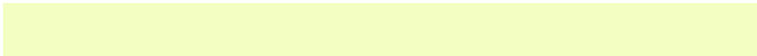
52.0038, 0.3793, 0.2405

Sweetspot

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



52.0062, 0.3845, 0.5155



94.3920, 0.3408, 0.3909



17.8394, 0.5585, 0.3594



20.0496, 0.3449, 0.4004



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.



52.0062, 0.3845, 0.5155



84.5861, 0.3841, 0.5316



45.5152, 0.3226, 0.5604



12.9776, 0.3235, 0.3521



32.1035, 0.3842, 0.5331



1.6860, 0.3915, 0.5274

Inverse Universe

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



7.3985, 0.1821, 0.0928



8.3942, 0.1619, 0.0679



12.9218, 0.2616, 0.1340



10.9515, 0.3013, 0.3053



3.0764, 0.1606, 0.0658



0.1915, 0.1796, 0.0763

Previews

White Background



This preview shows how the Yxy color 52.0038, 0.3845, 0.5155 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 52.0038, 0.3845, 0.5155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

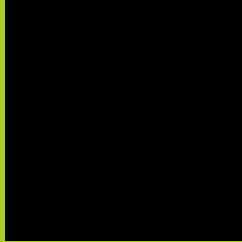
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.0038, 0.3845, 0.5155

Background



This preview shows how black text looks on a background with the Yxy color 52.0038, 0.3845, 0.5155.



This preview shows how white text looks on a background with the Yxy color 52.0038, 0.3845, 0.5155.

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

52.0038, 0.3845, 0.5155

Protanopia

51.6977, 0.4335, 0.4797

Deuteranopia

51.6555, 0.4589, 0.4493



Tritanopia

51.7995, 0.2992, 0.3105

Trichromacy



Original Color

52.0038, 0.3845, 0.5155

Protanomaly

51.6321, 0.4148, 0.4935

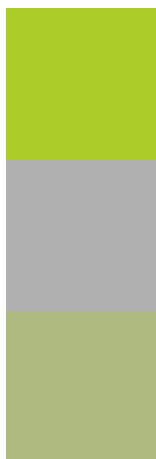
Deuteranomaly

50.9131, 0.4317, 0.4728

Tritanomaly

50.8983, 0.3389, 0.3949

Monochromacy



Original Color

52.0038, 0.3845, 0.5155

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

45.6488, 0.3489, 0.4100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0038, 0.3845, 0.5155 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(171, 204, 41)` looks like.

```
.text, #text, p{  
    color:rgb(171, 204, 41)  
}
```

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(171, 204, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 204, 41) }
```

Border

The CSS property to change the border of an element to Yxy 52.0038, 0.3845, 0.5155 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(171, 204, 41) }
```

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

```
.border{ border-color:rgb(171, 204, 41) }
```

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

Here you see how a box with a 4 pixel rgb(171, 204, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 204, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 204, 41);  
box-shadow:4px 4px 4px 4px rgb(171, 204,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0038, 0.3845, 0.5155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 204, 41) }
```

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

```
.background{ background-color: rgb(171,  
204, 41) }
```

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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