

Converting Colors

$Y_{xy}(52.2003, 0.3311, 0.5238)$

Have a look what the booklet for
Yxy(52.2003, 0.3311, 0.5238)
contains.

Yxy(52.1940, 0.3311, 0.5238)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(52.1940, 0.3311, 0.5238)

Conversions

Conversions Part 1

Format	Color
Hex	7AD548
RGB	122, 213, 72
RGB Percent	48%, 84%, 28%
CMY	0.5214, 0.1647, 0.7178
CMYK	0.43, 0.00, 0.66, 0.16
HSL	99°, 63%, 56%
HSV	99°, 66%, 84%
XYZ	32.9924, 52.1940, 14.4585
YIQ	169.7170, -8.9750, -63.1430

Conversions

Conversions Part 2

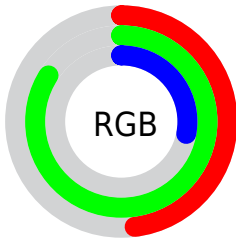
Format	Color
RYB	72, 213, 163
Decimal	8049992
CIELab	77.40, -51.18, 58.99
CIELCh	77, 78.098, 130.942
Yxy	52.1940, 0.3311, 0.5238
Android (android.graphics.Color)	4286240072 (0xFF7AD548)
YUV	169.7170, -48.1745, -41.8478
Hunter-Lab	72.2454, -44.9136, 38.7061

Details

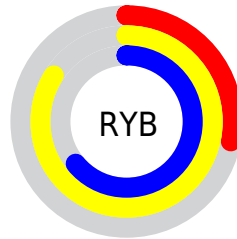
The Yxy color **52.1940, 0.3311, 0.5238** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **17.2119, 0.2642, 0.1546**, and the grayscale version is **40.3007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7556, 0.3354, 0.4752**, and **25.1751, 0.3248, 0.5792** is the 20% darker color. If you saturate the color by 10%, you get **51.0316, 0.3292, 0.5489**, and if you desaturate by 10%, it is **53.5989, 0.3313, 0.4946**.

Distribution



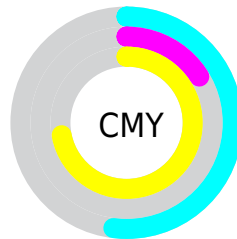
- Red (48%)
- Green (84%)
- Blue (28%)



- Red (28%)
- Yellow (84%)
- Blue (64%)



- Cyan (43%)
- Magenta (0%)
- Yellow (66%)
- Black (16%)





- Cyan (52%)
- Magenta (16%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.1940, 0.3311, 0.5238 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 52.1940, 0.3311, 0.5238 by changing the saturation by 10% instead.


 52.1940, 0.3311,
0.5238


 52.1940, 0.3311,
0.5238

395.1851, 0.3290,
0.4231

 37.1597, 0.3289,
0.5486


 93.4173, 0.3323,
0.4871


 25.3312, 0.3244,
0.5796


 120.3751, 0.3321,
0.4733


 16.3240, 0.3157,
0.6187


 152.0762, 0.3317,
0.4617

 9.7537, 0.3007,
0.6728

 188.9050, 0.3313,
0.4517

 5.2360, 0.2670,
0.7330

 231.2459, 0.3307,
0.4431

 2.3864, 0.1959,
0.8041

279.4833, 0.3301,

 0.8189, 0.0000,

0.4355

1.0000

334.0016, 0.3295,
0.4289

■ 0.0000, 0.0000,
0.0000

■ 52.1940, 0.3311,
0.5238

■ 52.1940, 0.3311,
0.5238

■ 51.0316, 0.3292,
0.5489

■ 53.5989, 0.3313,
0.4946

■ 50.0887, 0.3256,
0.5684

■ 55.2541, 0.3299,
0.4632


■ 49.3479, 0.3206,
0.5813

■ 57.1750, 0.3273,
0.4314


■ 49.1100, 0.3187,
0.5852

■ 59.3739, 0.3238,
0.4004

■ 61.8620, 0.3198,
0.3712

 64.6501, 0.3155,
0.3444

 67.7483, 0.3110,
0.3201

 71.1661, 0.3067,
0.2984

 74.3425, 0.3081,
0.2872

Harmonies

Analogous

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



52.1940, 0.4234, 0.4986



52.1940, 0.3311, 0.5238



52.1940, 0.2389, 0.4615

Triad

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



52.1940, 0.3311, 0.5238



52.1940, 0.1514, 0.1939



52.1940, 0.4691, 0.2925

Complementary

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



52.1940, 0.3311, 0.5238



17.2119, 0.2642, 0.1546

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.



52.1940, 0.3691, 0.2343



52.1940, 0.3311, 0.5238



52.1940, 0.1905, 0.1798

Square

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



52.1940, 0.3311, 0.5238



52.1940, 0.1447, 0.2449



52.1940, 0.2649, 0.1946



52.1940, 0.5156, 0.3599

Rectangle

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



52.1940, 0.3311, 0.5238



52.1940, 0.1905, 0.3827



52.1940, 0.2649, 0.1946



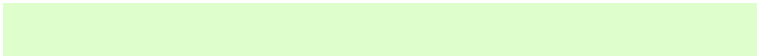
52.1940, 0.4395, 0.2717

Sweetspot

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



52.1962, 0.3311, 0.5238



91.4262, 0.3215, 0.3826



40.2030, 0.4437, 0.4309



19.3428, 0.3226, 0.3909



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.



52.1962, 0.3311, 0.5238



76.1477, 0.3281, 0.5566



49.7162, 0.2952, 0.5179



14.1083, 0.3169, 0.3527



30.0505, 0.3197, 0.5844



1.8582, 0.3334, 0.5735

Inverse Universe

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



17.2119, 0.2642, 0.1546



19.9424, 0.2510, 0.1284



22.6793, 0.3417, 0.1961



12.4019, 0.3082, 0.3056



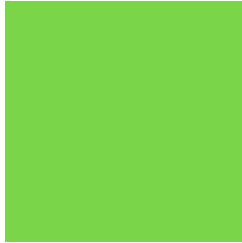
6.2618, 0.2338, 0.1062



0.4233, 0.2490, 0.1145

Previews

White Background



This preview shows how the Yxy color 52.1940, 0.3311, 0.5238 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 52.1940, 0.3311, 0.5238 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 52.1940, 0.3311, 0.5238

Background



This preview shows how black text looks on a background with the Yxy color 52.1940, 0.3311, 0.5238.



This preview shows how white text looks on a background with the Yxy color 52.1940, 0.3311, 0.5238.

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

52.1940, 0.3311, 0.5238

Protanopia

51.3664, 0.4227, 0.4636

Deuteranopia

51.4898, 0.4413, 0.4317



Tritanopia

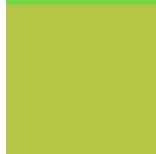
51.7729, 0.2640, 0.3080

Trichromacy



Original Color

52.1940, 0.3311, 0.5238



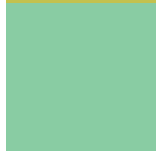
Protanomaly

50.5088, 0.3864, 0.4872



Deuteranomaly

50.2921, 0.3981, 0.4661



Tritanomaly

51.1484, 0.2915, 0.3870

Monochromacy



Original Color

52.1940, 0.3311, 0.5238



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

43.6113, 0.3249, 0.4048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1940, 0.3311, 0.5238 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(122, 213, 72)` looks like.

```
.text, #text, p{  
    color:rgb(122, 213, 72)  
}
```

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(122, 213, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 213, 72) }
```

Border

The CSS property to change the border of an element to Yxy 52.1940, 0.3311, 0.5238 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(122, 213, 72) }
```

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

```
.border{ border-color:rgb(122, 213, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 213, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 213, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 213, 72);  
box-shadow:4px 4px 4px 4px rgb(122, 213,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1940, 0.3311, 0.5238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 213, 72) }
```

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

```
.background{ background-color: rgb(122,  
213, 72) }
```

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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