

Converting Colors

$Y_{xy}(52.2872, 0.3437, 0.5081)$

Have a look what the booklet for
Yxy(52.2872, 0.3437, 0.5081)
contains.

Yxy(52.2917, 0.3437, 0.5081)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.2917, 0.3437, 0.5081)

Conversions

Conversions Part 1

Format	Color
Hex	8DD24D
RGB	141, 210, 77
RGB Percent	55%, 82%, 30%
CMY	0.4470, 0.1765, 0.6980
CMYK	0.33, 0.00, 0.63, 0.18
HSL	91°, 60%, 56%
HSV	91°, 63%, 82%
XYZ	35.3723, 52.2917, 15.2522
YIQ	174.2070, 1.5690, -55.9910

Conversions

Conversions Part 2

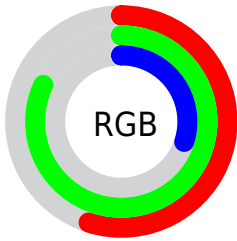
Format	Color
RYB	77, 210, 146
Decimal	9294413
CIELab	77.45, -43.17, 57.26
CIELCh	77, 71.713, 127.017
Yxy	52.2917, 0.3437, 0.5081
Android (android.graphics.Color)	4287484493 (0xFF8DD24D)
YUV	174.2070, -47.9231, -29.1225
Hunter-Lab	72.3130, -39.2335, 38.1137

Details

The Yxy color **52.2917, 0.3437, 0.5081** 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 **16.0747, 0.2492, 0.1532**, and the grayscale version is **42.6930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1645, 0.3453, 0.4657**, and **25.4085, 0.3419, 0.5584** is the 20% darker color. If you saturate the color by 10%, you get **51.1350, 0.3436, 0.5327**, and if you desaturate by 10%, it is **53.6427, 0.3418, 0.4801**.

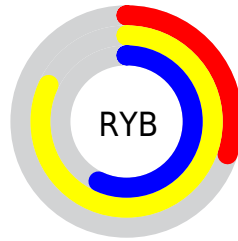
Distribution



Red (55%)

Green (82%)

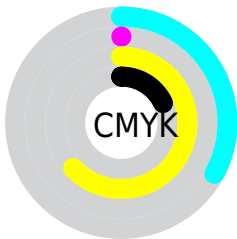
Blue (30%)



Red (30%)

Yellow (82%)

Blue (57%)

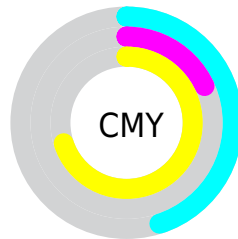


Cyan (33%)

Magenta (0%)

Yellow (63%)

Black (18%)



Cyan (45%)


Magenta (18%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2917, 0.3437, 0.5081 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 52.2917, 0.3437, 0.5081 by changing the saturation by 10% instead.


 52.2917, 0.3437,
0.5081

 52.2917, 0.3437,
0.5081


395.5617, 0.3345,
0.4165

 37.2376, 0.3435,
0.5304


 93.5613, 0.3421,
0.4749


 25.3915, 0.3418,
0.5582


 120.5456, 0.3410,
0.4624

 16.3690, 0.3368,
0.5933


 152.2755, 0.3398,
0.4518

 9.7856, 0.3265,
0.6401

 189.1353, 0.3386,
0.4426

 5.2571, 0.3022,
0.6978

 231.5094, 0.3375,
0.4348

 2.3989, 0.2460,
0.7540

279.7822, 0.3364,

 0.8253, 0.0000,

0.4279

1.0000

334.3382, 0.3354,
0.4218

■ 0.0000, 0.0000,
0.0000

■ 52.2917, 0.3437,
0.5081

■ 52.2917, 0.3437,
0.5081

■ 51.1350, 0.3436,
0.5327

■ 53.6427, 0.3418,
0.4801

■ 50.1534, 0.3414,
0.5525

■ 55.1920, 0.3381,
0.4503

■ 49.3347, 0.3371,
0.5666

■ 56.9518, 0.3332,
0.4202

■ 48.8643, 0.3335,
0.5734

■ 58.9313, 0.3275,
0.3907

■ 61.1390, 0.3213,
0.3629

■ 63.5829, 0.3148,
0.3371

■ 66.2705, 0.3085,
0.3135

■ 69.2092, 0.3023,
0.2923

■ 71.6758, 0.3035,
0.2835

Harmonies

Analogous

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



52.2917, 0.4279, 0.4809



52.2917, 0.3437, 0.5081



52.2917, 0.2561, 0.4609

Triad

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



52.2917, 0.3437, 0.5081



52.2917, 0.1590, 0.2076



52.2917, 0.4464, 0.2882

Complementary

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



52.2917, 0.3437, 0.5081



16.0747, 0.2492, 0.1532

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.



52.2917, 0.3518, 0.2348



52.2917, 0.3437, 0.5081



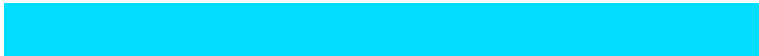
52.2917, 0.1921, 0.1895

Square

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



52.2917, 0.3437, 0.5081



52.2917, 0.1571, 0.2618



52.2917, 0.2579, 0.2000



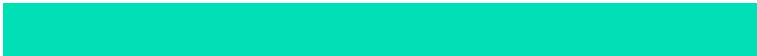
52.2917, 0.4981, 0.3517

Rectangle

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



52.2917, 0.3437, 0.5081



52.2917, 0.2077, 0.3932



52.2917, 0.2579, 0.2000



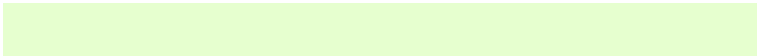
52.2917, 0.4175, 0.2689

Sweetspot

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



52.2940, 0.3437, 0.5081



92.8037, 0.3250, 0.3791



34.7111, 0.4511, 0.4104



19.6570, 0.3267, 0.3872



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.



52.2940, 0.3437, 0.5081



78.7743, 0.3431, 0.5403



48.2406, 0.3023, 0.5297



13.4813, 0.3187, 0.3525



29.8650, 0.3346, 0.5726



1.7170, 0.3488, 0.5612

Inverse Universe

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



16.0747, 0.2492, 0.1532



18.2331, 0.2319, 0.1223



23.5553, 0.3219, 0.1868



11.7150, 0.3062, 0.3055



4.8796, 0.2067, 0.0912



0.3200, 0.2264, 0.1021

Previews

White Background



This preview shows how the Yxy color 52.2917, 0.3437, 0.5081 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 52.2917, 0.3437, 0.5081 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 52.2917, 0.3437, 0.5081

Background



This preview shows how black text looks on a background with the Yxy color 52.2917, 0.3437, 0.5081.



This preview shows how white text looks on a background with the Yxy color 52.2917, 0.3437, 0.5081.

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

52.2917, 0.3437, 0.5081

Protanopia

51.8756, 0.4189, 0.4600

Deuteranopia

51.5525, 0.4388, 0.4285



Tritanopia

52.1596, 0.2752, 0.3097

Trichromacy



Original Color

52.2917, 0.3437, 0.5081



Protanomaly

51.4474, 0.3897, 0.4783



Deuteranomaly

50.7413, 0.4013, 0.4577



Tritanomaly

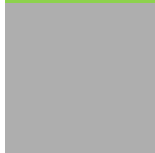
51.6577, 0.3027, 0.3827

Monochromacy



Original Color

52.2917, 0.3437, 0.5081



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

45.0861, 0.3287, 0.3970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2917, 0.3437, 0.5081 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(141, 210, 77)` looks like.

```
.text, #text, p{  
    color:rgb(141, 210, 77)  
}
```

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(141, 210, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 210, 77) }
```

Border

The CSS property to change the border of an element to Yxy 52.2917, 0.3437, 0.5081 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(141, 210, 77) }
```

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

```
.border{ border-color:rgb(141, 210, 77) }
```

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

Here you see how a box with a 4 pixel rgb(141, 210, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 210, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 210, 77);  
box-shadow:4px 4px 4px 4px rgb(141, 210,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2917, 0.3437, 0.5081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 210, 77) }
```

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

```
.background{ background-color: rgb(141,  
210, 77) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor