

Converting Colors

$Y_{xy}(47.5200, 0.3360, 0.4815)$

Have a look what the booklet for
Yxy(47.5200, 0.3360, 0.4815)
contains.

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Color

Yxy(47.5200, 0.3360, 0.4815)

Conversions

Conversions Part 1

Format	Color
Hex	8AC85E
RGB	138, 200, 94
RGB Percent	54%, 78%, 37%
CMY	0.4587, 0.2157, 0.6314
CMYK	0.31, 0.00, 0.53, 0.22
HSL	95°, 49%, 58%
HSV	95°, 53%, 78%
XYZ	33.1604, 47.5200, 18.0112
YIQ	169.3780, -2.9260, -46.1100

Conversions

Conversions Part 2

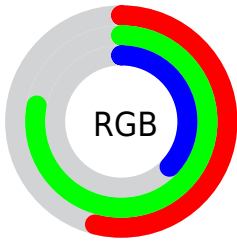
Format	Color
RYB	94, 200, 156
Decimal	9095262
CIELab	74.52, -38.19, 46.28
CIELCh	75, 60.003, 129.526
Yxy	47.5200, 0.3360, 0.4815
Android (android.graphics.Color)	4287285342 (0xFF8AC85E)
YUV	169.3780, -37.1614, -27.5185
Hunter-Lab	68.9348, -34.7702, 32.7631

Details

The Yxy color **47.5200, 0.3360, 0.4815** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **19.2363, 0.2698, 0.1845**, and the grayscale version is **40.0666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0959, 0.3347, 0.4501**, and **22.6098, 0.3357, 0.5287** is the 20% darker color. If you saturate the color by 10%, you get **46.2640, 0.3371, 0.5106**, and if you desaturate by 10%, it is **48.9804, 0.3333, 0.4508**.

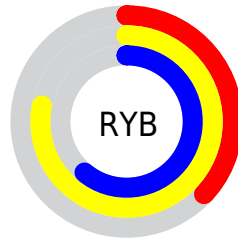
Distribution



Red (54%)

Green (78%)

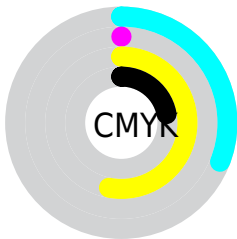
Blue (37%)



Red (37%)

Yellow (78%)

Blue (61%)

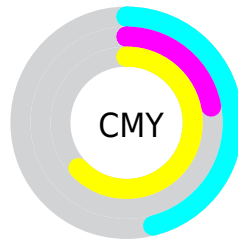


Cyan (31%)

Magenta (0%)

Yellow (53%)

Black (22%)



Cyan (46%)


Magenta (22%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5200, 0.3360, 0.4815 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 47.5200, 0.3360, 0.4815 by changing the saturation by 10% instead.


 47.5200, 0.3360,
0.4815


 47.5200, 0.3360,
0.4815

376.8864, 0.3284,
0.4018

 33.4469, 0.3362,
0.5019


 86.4893, 0.3344,
0.4520


 22.4690, 0.3355,
0.5280


 112.1543, 0.3334,
0.4411

 14.2019, 0.3324,
0.5622


 142.4521, 0.3324,
0.4319

 8.2613, 0.3240,
0.6079

 177.7670, 0.3315,
0.4240

 4.2626, 0.3120,
0.6880

218.4835, 0.3306,
0.4173

 1.8215, 0.2465,
0.7535

264.9860, 0.3298,

 0.5005, 0.0000,

0.4114

1.0000

317.6588, 0.3291,
0.4063

■ 0.0000, 0.0000,
0.0000

■ 47.5200, 0.3360,
0.4815

■ 47.5200, 0.3360,
0.4815

■ 46.2640, 0.3371,
0.5106

■ 48.9804, 0.3333,
0.4508

■ 45.1956, 0.3364,
0.5364

■ 50.6489, 0.3295,
0.4199

■ 44.3048, 0.3337,
0.5573

■ 52.5366, 0.3248,
0.3901

■ 43.5777, 0.3293,
0.5722

■ 54.6520, 0.3197,
0.3621

■ 43.1512, 0.3255,
0.5797

■ 57.0029, 0.3143,
0.3363

■ 59.5971, 0.3090,
0.3129

■ 62.4416, 0.3038,
0.2919

■ 65.5435, 0.2988,
0.2733

■ 67.6252, 0.3066,
0.2737

Harmonies

Analogous

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



47.5200, 0.4110, 0.4672



47.5200, 0.3360, 0.4815



47.5200, 0.2589, 0.4344

Triad

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



47.5200, 0.3360, 0.4815



47.5200, 0.1772, 0.2200



47.5200, 0.4339, 0.2989

Complementary

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



47.5200, 0.3360, 0.4815



19.2363, 0.2698, 0.1845

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.



47.5200, 0.3547, 0.2492



47.5200, 0.3360, 0.4815



47.5200, 0.2100, 0.2049

Square

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



47.5200, 0.3360, 0.4815



47.5200, 0.1735, 0.2666



47.5200, 0.2716, 0.2159



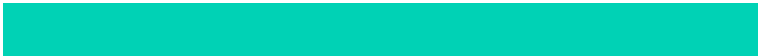
47.5200, 0.4752, 0.3572

Rectangle

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



47.5200, 0.3360, 0.4815



47.5200, 0.2170, 0.3767



47.5200, 0.2716, 0.2159



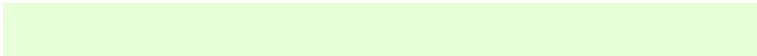
47.5200, 0.4102, 0.2810

Sweetspot

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



47.5221, 0.3360, 0.4815



93.3998, 0.3213, 0.3709



36.8062, 0.4179, 0.4080



19.8264, 0.3224, 0.3767



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.



47.5221, 0.3360, 0.4815



79.7233, 0.3371, 0.5158



44.6623, 0.3001, 0.4838



12.0995, 0.3177, 0.3524



27.4878, 0.3265, 0.5789



1.3438, 0.3434, 0.5655

Inverse Universe

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



19.2363, 0.2698, 0.1845



25.4277, 0.2568, 0.1540



24.0515, 0.3285, 0.2122



10.5885, 0.3073, 0.3058



5.1050, 0.2206, 0.0989



0.2835, 0.2413, 0.1103

Previews

White Background



This preview shows how the Yxy color 47.5200, 0.3360, 0.4815 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 47.5200, 0.3360, 0.4815 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 47.5200, 0.3360, 0.4815

Background



This preview shows how black text looks on a background with the Yxy color 47.5200, 0.3360, 0.4815.



This preview shows how white text looks on a background with the Yxy color 47.5200, 0.3360, 0.4815.

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

47.5200, 0.3360, 0.4815

Protanopia

47.1281, 0.4052, 0.4436

Deuteranopia

46.8997, 0.4216, 0.4126



Tritanopia

47.2468, 0.2765, 0.3090

Trichromacy



Original Color

47.5200, 0.3360, 0.4815

Protanomaly

46.7171, 0.3787, 0.4580

Deuteranomaly

45.9553, 0.3889, 0.4372

Tritanomaly

46.7332, 0.2998, 0.3701

Monochromacy



Original Color

47.5200, 0.3360, 0.4815

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.8646, 0.3240, 0.3841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5200, 0.3360, 0.4815 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(138, 200, 94)` looks like.

```
.text, #text, p{  
    color:rgb(138, 200, 94)  
}
```

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(138, 200, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 200, 94) }
```

Border

The CSS property to change the border of an element to Yxy 47.5200, 0.3360, 0.4815 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(138, 200, 94) }
```

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

```
.border{ border-color:rgb(138, 200, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 200, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 200, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 200, 94);  
box-shadow:4px 4px 4px 4px rgb(138, 200,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5200, 0.3360, 0.4815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 200, 94) }
```

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

```
.background{ background-color: rgb(138,  
200, 94) }
```

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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