

Converting Colors

$Y_{xy}(55.4950, 0.3402, 0.4940)$

Have a look what the booklet for
Yxy(55.4950, 0.3402, 0.4940)
contains.

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Color

Yxy(55.5593, 0.3401, 0.4944)

Conversions

Conversions Part 1

Format	Color
Hex	93D75B
RGB	147, 215, 91
RGB Percent	58%, 84%, 36%
CMY	0.4235, 0.1568, 0.6433
CMYK	0.32, 0.00, 0.58, 0.16
HSL	93°, 61%, 60%
HSV	93°, 58%, 84%
XYZ	38.2195, 55.5593, 18.5984
YIQ	180.5320, -0.7240, -52.9800

Conversions

Conversions Part 2

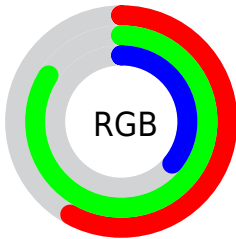
Format	Color
RYB	91, 215, 159
Decimal	9688923
CIELab	79.36, -41.99, 53.45
CIELCh	79, 67.973, 128.156
Yxy	55.5593, 0.3401, 0.4944
Android (android.graphics.Color)	4287879003 (0xFF93D75B)
YUV	180.5320, -44.1393, -29.4076
Hunter-Lab	74.5381, -38.9156, 37.3829

Details

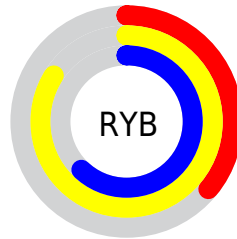
The Yxy color **55.5593, 0.3401, 0.4944** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **19.7513, 0.2599, 0.1695**, and the grayscale version is **46.1843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4017, 0.3423, 0.4496**, and **27.4931, 0.3389, 0.5416** is the 20% darker color. If you saturate the color by 10%, you get **54.2079, 0.3408, 0.5216**, and if you desaturate by 10%, it is **57.1335, 0.3376, 0.4647**.

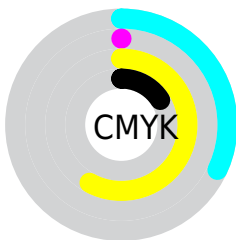
Distribution



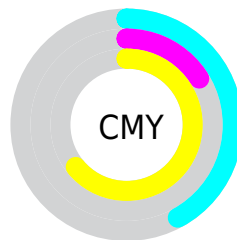
- Red (58%)
- Green (84%)
- Blue (36%)



- Red (36%)
- Yellow (84%)
- Blue (62%)



- Cyan (32%)
- Magenta (0%)
- Yellow (58%)
- Black (16%)





- Cyan (42%)
- Magenta (16%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.5593, 0.3401, 0.4944 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 55.5593, 0.3401, 0.4944 by changing the saturation by 10% instead.

 55.5593, 0.3401,
0.4944

 55.5593, 0.3401,
0.4944


408.0286, 0.3317,
0.4103


 39.8497, 0.3403,
0.5149


 98.3599, 0.3384,
0.4640

 27.4214, 0.3392,
0.5407


 126.2198, 0.3374,
0.4525

 17.8899, 0.3358,
0.5734


 158.8984, 0.3363,
0.4427

 10.8710, 0.3273,
0.6155

 196.7804, 0.3353,
0.4344

 5.9802, 0.3151,
0.6849

240.2500, 0.3343,
0.4272

 2.8330, 0.2655,
0.7345

289.6916, 0.3334,

 1.0452, 0.0000,

0.4208

1.0000

345.4897, 0.3325,
0.4153

■ 0.0000, 0.0000,
0.0000

■ 55.5593, 0.3401,
0.4944

■ 55.5593, 0.3401,
0.4944

■ 54.2079, 0.3408,
0.5216

■ 57.1335, 0.3376,
0.4647

■ 53.0593, 0.3394,
0.5447

■ 58.9347, 0.3337,
0.4341

■ 52.1015, 0.3360,
0.5623

■ 60.9758, 0.3287,
0.4039

■ 51.3155, 0.3308,
0.5742

■ 63.2666, 0.3232,
0.3750

■ 51.1523, 0.3296,
0.5765

■ 65.8163, 0.3173,
0.3481

■ 68.6335, 0.3113,
0.3235

■ 71.7264, 0.3055,
0.3013

■ 74.5788, 0.3050,
0.2889

■ 76.7246, 0.3132,
0.2899

Harmonies

Analogous

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



55.5593, 0.4196, 0.4740



55.5593, 0.3401, 0.4944



55.5593, 0.2578, 0.4472

Triad

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



55.5593, 0.3401, 0.4944



55.5593, 0.1682, 0.2141



55.5593, 0.4397, 0.2936

Complementary

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



55.5593, 0.3401, 0.4944



19.7513, 0.2599, 0.1695

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.



55.5593, 0.3531, 0.2421



55.5593, 0.3401, 0.4944



55.5593, 0.2011, 0.1974

Square

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



55.5593, 0.3401, 0.4944



55.5593, 0.1656, 0.2645



55.5593, 0.2648, 0.2081



55.5593, 0.4862, 0.3545

Rectangle

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



55.5593, 0.3401, 0.4944



55.5593, 0.2127, 0.3848



55.5593, 0.2648, 0.2081



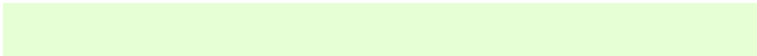
55.5593, 0.4135, 0.2750

Sweetspot

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



55.5617, 0.3401, 0.4944



93.2833, 0.3229, 0.3735



39.3576, 0.4346, 0.4073



19.8127, 0.3240, 0.3792



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.



55.5617, 0.3401, 0.4944



79.4080, 0.3407, 0.5265



51.6548, 0.3022, 0.5087



14.1679, 0.3183, 0.3526



30.6542, 0.3307, 0.5756



1.8977, 0.3443, 0.5648

Inverse Universe

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



19.7513, 0.2599, 0.1695



21.9937, 0.2454, 0.1397



26.6210, 0.3234, 0.1979



12.3409, 0.3066, 0.3055



5.2971, 0.2126, 0.0945



0.3684, 0.2305, 0.1044

Previews

White Background



This preview shows how the Yxy color 55.5593, 0.3401, 0.4944 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 55.5593, 0.3401, 0.4944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

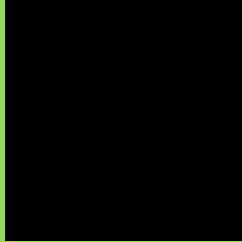
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.5593, 0.3401, 0.4944

Background



This preview shows how black text looks on a background with the Yxy color 55.5593, 0.3401, 0.4944.

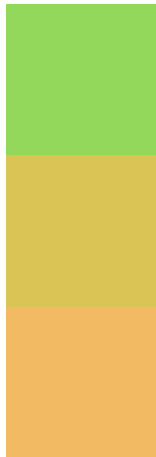


This preview shows how white text looks on a background with the Yxy color 55.5593, 0.3401, 0.4944.

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

55.5593, 0.3401, 0.4944

Protanopia

55.0412, 0.4126, 0.4515

Deuteranopia

54.7194, 0.4307, 0.4202



Tritanopia

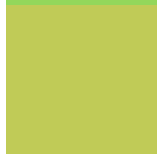
55.4100, 0.2760, 0.3090

Trichromacy



Original Color

55.5593, 0.3401, 0.4944



Protanomaly

54.6065, 0.3843, 0.4683



Deuteranomaly

54.0424, 0.3957, 0.4473



Tritanomaly

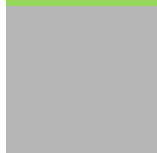
54.9751, 0.3010, 0.3756

Monochromacy



Original Color

55.5593, 0.3401, 0.4944



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

48.7131, 0.3268, 0.3905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5593, 0.3401, 0.4944 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(147, 215, 91)` looks like.

```
.text, #text, p{  
    color:rgb(147, 215, 91)  
}
```

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(147, 215, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 215, 91) }
```

Border

The CSS property to change the border of an element to Yxy 55.5593, 0.3401, 0.4944 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(147, 215, 91) }
```

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

```
.border{ border-color:rgb(147, 215, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 215, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 215, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 215, 91);  
box-shadow:4px 4px 4px 4px rgb(147, 215,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5593, 0.3401, 0.4944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 215, 91) }
```

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

```
.background{ background-color: rgb(147,  
215, 91) }
```

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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