

Converting Colors

Yxy(55.7608, 0.3361, 0.4995)

Have a look what the booklet for
Yxy(55.7608, 0.3361, 0.4995)
contains.

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Color

Yxy(55.5126, 0.3359, 0.4987)

Conversions

Conversions Part 1

Format	Color
Hex	8DD85A
RGB	141, 216, 90
RGB Percent	55%, 85%, 35%
CMY	0.4469, 0.1530, 0.6471
CMYK	0.35, 0.00, 0.58, 0.15
HSL	96°, 62%, 60%
HSV	96°, 58%, 85%
XYZ	37.3906, 55.5126, 18.4114
YIQ	179.2110, -4.2540, -55.0860

Conversions

Conversions Part 2

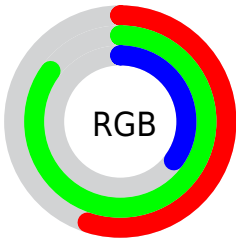
Format	Color
RYB	90, 216, 165
Decimal	9295962
CIELab	79.34, -44.57, 53.78
CIELCh	79, 69.843, 129.650
Yxy	55.5126, 0.3359, 0.4987
Android (android.graphics.Color)	4287486042 (0xFF8DD85A)
YUV	179.2110, -43.9810, -33.5110
Hunter-Lab	74.5068, -40.8082, 37.5035

Details

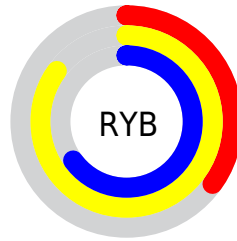
The Yxy color **55.5126, 0.3359, 0.4987** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **20.2583, 0.2651, 0.1702**, and the grayscale version is **45.4435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5394, 0.3388, 0.4523**, and **27.5424, 0.3335, 0.5469** is the 20% darker color. If you saturate the color by 10%, you get **54.1371, 0.3359, 0.5264**, and if you desaturate by 10%, it is **57.1304, 0.3342, 0.4684**.

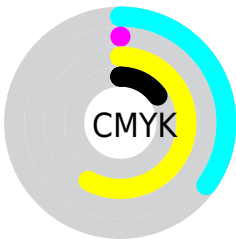
Distribution



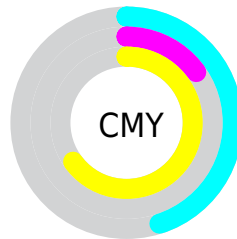
- Red (55%)
- Green (85%)
- Blue (35%)



- Red (35%)
- Yellow (85%)
- Blue (65%)



- Cyan (35%)
- Magenta (0%)
- Yellow (58%)
- Black (15%)




- Cyan (45%)
- Magenta (15%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.5126, 0.3359, 0.4987 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 55.5126, 0.3359, 0.4987 by changing the saturation by 10% instead.

 55.5126, 0.3359,
0.4987


 55.5126, 0.3359,
0.4987

407.8521, 0.3297,
0.4121


 39.8123, 0.3354,
0.5199


 98.2916, 0.3351,
0.4673


 27.3922, 0.3336,
0.5466


 126.1390, 0.3344,
0.4555

 17.8680, 0.3291,
0.5806


 158.8043, 0.3336,
0.4454

 10.8553, 0.3191,
0.6244

 196.6718, 0.3327,
0.4368

 5.9696, 0.3042,
0.6958

240.1260, 0.3319,
0.4294

 2.8266, 0.2517,
0.7483

289.5511, 0.3312,

 1.0419, 0.0000,

0.4229

1.0000

345.3317, 0.3304,
0.4172

■ 0.0000, 0.0000,
0.0000

■ 55.5126, 0.3359,
0.4987

■ 55.5126, 0.3359,
0.4987

■ 54.1371, 0.3359,
0.5264

■ 57.1304, 0.3342,
0.4684

■ 52.9827, 0.3340,
0.5498

■ 58.9960, 0.3311,
0.4371

■ 52.0358, 0.3302,
0.5676

■ 61.1233, 0.3269,
0.4063

■ 51.2749, 0.3249,
0.5793

■ 63.5231, 0.3222,
0.3771

■ 51.1623, 0.3240,
0.5809

■ 66.2056, 0.3171,
0.3499

■ 69.1804, 0.3119,
0.3251

■ 72.4564, 0.3067,
0.3027

■ 75.5315, 0.3067,
0.2901

■ 77.5906, 0.3145,
0.2910

Harmonies

Analogous

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



55.5126, 0.4180, 0.4796



55.5126, 0.3359, 0.4987



55.5126, 0.2522, 0.4467

Triad

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



55.5126, 0.3359, 0.4987



55.5126, 0.1660, 0.2097



55.5126, 0.4469, 0.2954

Complementary

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



55.5126, 0.3359, 0.4987



20.2583, 0.2651, 0.1702

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.



55.5126, 0.3588, 0.2423



55.5126, 0.3359, 0.4987



55.5126, 0.2010, 0.1944

Square

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



55.5126, 0.3359, 0.4987



55.5126, 0.1617, 0.2590



55.5126, 0.2675, 0.2066



55.5126, 0.4916, 0.3576

Rectangle

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



55.5126, 0.3359, 0.4987



55.5126, 0.2071, 0.3811



55.5126, 0.2675, 0.2066



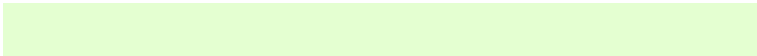
55.5126, 0.4205, 0.2763

Sweetspot

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



55.5150, 0.3359, 0.4987



92.5734, 0.3221, 0.3766



41.7049, 0.4314, 0.4150



19.5853, 0.3235, 0.3850



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.



55.5150, 0.3359, 0.4987



78.4227, 0.3356, 0.5323



52.2125, 0.2992, 0.5024



14.1391, 0.3176, 0.3527



30.3429, 0.3251, 0.5801



1.8778, 0.3389, 0.5691

Inverse Universe

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



20.2583, 0.2651, 0.1702



22.4845, 0.2516, 0.1410



26.3390, 0.3305, 0.2022



12.3701, 0.3074, 0.3056



5.7370, 0.2225, 0.1000



0.3938, 0.2393, 0.1092

Previews

White Background



This preview shows how the Yxy color 55.5126, 0.3359, 0.4987 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 55.5126, 0.3359, 0.4987 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 55.5126, 0.3359, 0.4987

Background



This preview shows how black text looks on a background with the Yxy color 55.5126, 0.3359, 0.4987.

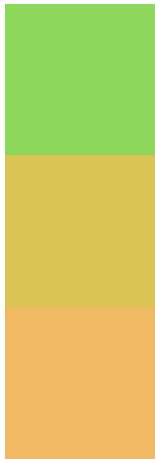


This preview shows how white text looks on a background with the Yxy color 55.5126, 0.3359, 0.4987.

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

55.5126, 0.3359, 0.4987

Protanopia

54.8717, 0.4123, 0.4528

Deuteranopia

54.7004, 0.4314, 0.4211



Tritanopia

55.4034, 0.2723, 0.3089

Trichromacy



Original Color

55.5126, 0.3359, 0.4987



Protanomaly

54.2026, 0.3822, 0.4706



Deuteranomaly

53.7379, 0.3945, 0.4491



Tritanomaly

54.9603, 0.2975, 0.3774

Monochromacy



Original Color

55.5126, 0.3359, 0.4987



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

47.8052, 0.3244, 0.3913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5126, 0.3359, 0.4987 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, 216, 90)` looks like.

```
.text, #text, p{  
    color:rgb(141, 216, 90)  
}
```

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, 216, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 216, 90) }
```

Border

The CSS property to change the border of an element to Yxy 55.5126, 0.3359, 0.4987 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, 216, 90) }
```

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

```
.border{ border-color:rgb(141, 216, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 216, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 216, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 216, 90);  
box-shadow:4px 4px 4px 4px rgb(141, 216,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5126, 0.3359, 0.4987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 216, 90) }
```

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

```
.background{ background-color: rgb(141,  
216, 90) }
```

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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