

Converting Colors

Yxy(55.4362, 0.3656, 0.4794)

Have a look what the booklet for
Yxy(55.4362, 0.3656, 0.4794)
contains.

Yxy(55.4362, 0.3656, 0.4794)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.4362, 0.3656, 0.4794)

Conversions

Conversions Part 1

Format	Color
Hex	AFD159
RGB	175, 209, 89
RGB Percent	69%, 82%, 35%
CMY	0.3139, 0.1803, 0.6510
CMYK	0.16, 0.00, 0.57, 0.18
HSL	77°, 57%, 58%
HSV	77°, 57%, 82%
XYZ	42.2768, 55.4362, 17.9237
YIQ	185.1540, 18.2560, -44.5280

Conversions

Conversions Part 2

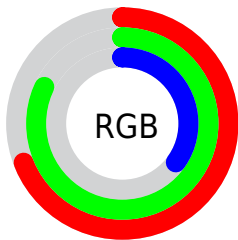
Format	Color
R _Y B	89, 209, 123
Decimal	11522393
CIE Lab	79.29, -29.07, 54.69
CIE LCh	79, 61.931, 117.993
Yxy	55.4362, 0.3656, 0.4794
Android (android.graphics.Color)	4289712473 (0xFFAFD159)
YUV	185.1540, -47.4039, -8.9051
Hunter-Lab	74.4555, -28.9426, 37.8460

Details

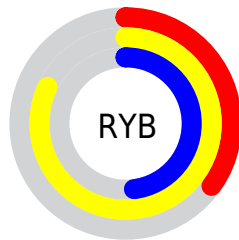
The Yxy color **55.4362, 0.3656, 0.4794** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **15.9649, 0.2294, 0.1574**, and the grayscale version is **48.8653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8268, 0.3630, 0.4436**, and **27.2198, 0.3728, 0.5180** is the 20% darker color. If you saturate the color by 10%, you get **54.4649, 0.3705, 0.5017**, and if you desaturate by 10%, it is **56.5423, 0.3587, 0.4543**.

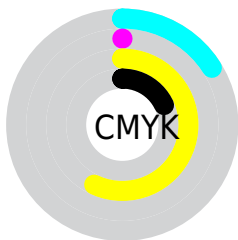
Distribution



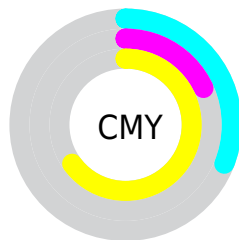
- Red (69%)
- Green (82%)
- Blue (35%)



- Red (35%)
- Yellow (82%)
- Blue (48%)



- Cyan (16%)
- Magenta (0%)
- Yellow (57%)
- Black (18%)





- Cyan (31%)
- Magenta (18%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.4362, 0.3656, 0.4794 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 55.4362, 0.3656, 0.4794 by changing the saturation by 10% instead.

 55.4362, 0.3656,
0.4794


 55.4362, 0.3656,
0.4794


407.5633, 0.3443,
0.4048

 39.7511, 0.3689,
0.4970

 98.1798, 0.3593,
0.4529


 27.3445, 0.3720,
0.5186


 126.0070, 0.3564,
0.4427

 17.8321, 0.3738,
0.5454


 158.6504, 0.3539,
0.4341

 10.8295, 0.3724,
0.5788

 196.4943, 0.3516,
0.4266

 5.9523, 0.3695,
0.6305

239.9231, 0.3495,
0.4201

 2.8161, 0.3347,
0.6653

289.3213, 0.3476,

 1.0365, 0.2055,

0.4143

0.7945

345.0732, 0.3458,
0.4093

0.0000, 0.0000,
0.0000

55.4362, 0.3656,
0.4794

55.4362, 0.3656,
0.4794

54.4649, 0.3705,
0.5017

56.5423, 0.3587,
0.4543

53.6118, 0.3729,
0.5200

57.7838, 0.3502,
0.4274

52.8689, 0.3728,
0.5337

59.1704, 0.3406,
0.4001

52.2219, 0.3704,
0.5427

60.7088, 0.3305,
0.3731

52.0641, 0.3696,
0.5447

62.4053, 0.3203,
0.3472

■ 64.2658, 0.3101,
0.3229

■ 66.2957, 0.3004,
0.3003

■ 68.4216, 0.2919,
0.2809

■ 69.3769, 0.2960,
0.2815

Harmonies

Analogous

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



55.4362, 0.4332, 0.4486



55.4362, 0.3656, 0.4794



55.4362, 0.2881, 0.4569

Triad

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



55.4362, 0.3656, 0.4794



55.4362, 0.1745, 0.2357



55.4362, 0.4044, 0.2793

Complementary

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



55.4362, 0.3656, 0.4794



15.9649, 0.2294, 0.1574

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.



55.4362, 0.3213, 0.2356



55.4362, 0.3656, 0.4794



55.4362, 0.1958, 0.2094

Square

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



55.4362, 0.3656, 0.4794



55.4362, 0.1824, 0.2946



55.4362, 0.2459, 0.2107



55.4362, 0.4625, 0.3344

Rectangle

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



55.4362, 0.3656, 0.4794



55.4362, 0.2412, 0.4096



55.4362, 0.2459, 0.2107



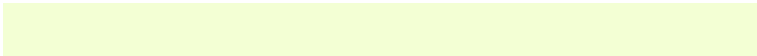
55.4362, 0.3777, 0.2630

Sweetspot

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



55.4387, 0.3656, 0.4794



95.2572, 0.3303, 0.3725



28.4465, 0.4586, 0.3708



20.2796, 0.3324, 0.3779



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.



55.4387, 0.3656, 0.4794



85.0752, 0.3713, 0.5064



49.9744, 0.3197, 0.5044



13.6221, 0.3223, 0.3523



32.1484, 0.3703, 0.5441



1.8366, 0.3797, 0.5367

Inverse Universe

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



15.9649, 0.2294, 0.1574



17.4843, 0.2079, 0.1216



21.8186, 0.2905, 0.1831



11.5778, 0.3025, 0.3053



3.4607, 0.1688, 0.0704



0.2338, 0.1889, 0.0814

Previews

White Background



This preview shows how the Yxy color 55.4362, 0.3656, 0.4794 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 55.4362, 0.3656, 0.4794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

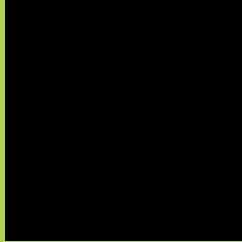
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.4362, 0.3656, 0.4794

Background



This preview shows how black text looks on a background with the Yxy color 55.4362, 0.3656, 0.4794.



This preview shows how white text looks on a background with the Yxy color 55.4362, 0.3656, 0.4794.

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

55.4362, 0.3656, 0.4794

Protanopia

55.0412, 0.4126, 0.4515

Deuteranopia

55.0676, 0.4327, 0.4247



Tritanopia

55.1805, 0.2966, 0.3097

Trichromacy



Original Color

55.4362, 0.3656, 0.4794

Protanomaly

55.0017, 0.3947, 0.4627

Deuteranomaly

54.5722, 0.4076, 0.4439

Tritanomaly

54.8776, 0.3248, 0.3724

Monochromacy



Original Color

55.4362, 0.3656, 0.4794

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

50.6093, 0.3353, 0.3870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4362, 0.3656, 0.4794 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(175, 209, 89)` looks like.

```
.text, #text, p{  
    color:rgb(175, 209, 89)  
}
```

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(175, 209, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 209, 89) }
```

Border

The CSS property to change the border of an element to Yxy 55.4362, 0.3656, 0.4794 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(175, 209, 89) }
```

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

```
.border{ border-color:rgb(175, 209, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 209, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 209, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 209, 89);  
box-shadow:4px 4px 4px 4px rgb(175, 209,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4362, 0.3656, 0.4794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 209, 89) }
```

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

```
.background{ background-color: rgb(175,  
209, 89) }
```

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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