

Converting Colors

$Y_{xy}(55.0220, 0.3558, 0.4542)$

Have a look what the booklet for
Yxy(55.0220, 0.3558, 0.4542)
contains.

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Color

Yxy(54.9815, 0.3553, 0.4540)

Conversions

Conversions Part 1

Format	Color
Hex	B0CF6E
RGB	176, 207, 110
RGB Percent	69%, 81%, 43%
CMY	0.3099, 0.1882, 0.5686
CMYK	0.15, 0.00, 0.47, 0.19
HSL	79°, 50%, 62%
HSV	79°, 47%, 81%
XYZ	43.0285, 54.9815, 23.0947
YIQ	186.6730, 12.6610, -36.7390

Conversions

Conversions Part 2

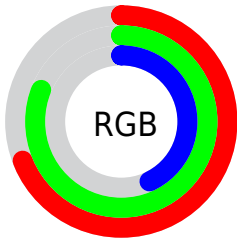
Format	Color
RYB	110, 207, 141
Decimal	11587438
CIELab	79.03, -25.69, 44.57
CIELCh	79, 51.447, 119.961
Yxy	54.9815, 0.3553, 0.4540
Android (android.graphics.Color)	4289777518 (0xFFB0CF6E)
YUV	186.6730, -37.7998, -9.3602
Hunter-Lab	74.1495, -26.1793, 33.4382

Details

The Yxy color **54.9815, 0.3553, 0.4540** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **21.3213, 0.2511, 0.1924**, and the grayscale version is **49.7110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4880, 0.3521, 0.4240**, and **27.2358, 0.3623, 0.4883** is the 20% darker color. If you saturate the color by 10%, you get **53.8315, 0.3617, 0.4799**, and if you desaturate by 10%, it is **56.2793, 0.3474, 0.4266**.

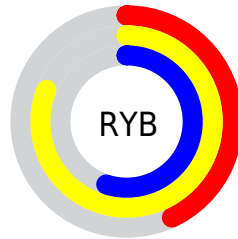
Distribution



Red (69%)

Green (81%)

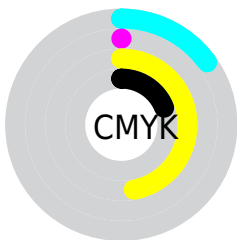
Blue (43%)



Red (43%)

Yellow (81%)

Blue (55%)

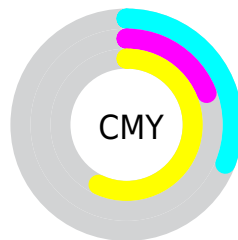


Cyan (15%)

Magenta (0%)

Yellow (47%)

Black (19%)



Cyan (31%)


Magenta (19%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.9815, 0.3553, 0.4540 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 54.9815, 0.3553, 0.4540 by changing the saturation by 10% instead.


 54.9815, 0.3553,
0.4540

 54.9815, 0.3553,
0.4540


405.8418, 0.3372,
0.3914


 39.3869, 0.3586,
0.4692

 97.5138, 0.3496,
0.4315


 27.0609, 0.3620,
0.4883


 125.2204, 0.3472,
0.4229

 17.6189, 0.3652,
0.5127


 157.7331, 0.3451,
0.4157

 10.6767, 0.3670,
0.5446

 195.4362, 0.3431,
0.4095

 5.8499, 0.3681,
0.5930

238.7143, 0.3414,
0.4041

 2.7540, 0.3520,
0.6480

287.9516, 0.3399,

 1.0047, 0.2433,

0.3993

0.7567

343.5327, 0.3385,
0.3951

0.0000, 0.0000,
0.0000

54.9815, 0.3553,
0.4540

54.9815, 0.3553,
0.4540

53.8315, 0.3617,
0.4799

56.2793, 0.3474,
0.4266

52.8140, 0.3661,
0.5031

57.7250, 0.3384,
0.3989

51.9226, 0.3681,
0.5225

59.3275, 0.3289,
0.3718


51.1469, 0.3676,
0.5371


61.0931, 0.3193,
0.3458

50.4732, 0.3647,
0.5469

63.0276, 0.3098,
0.3216

 50.2756, 0.3636,
0.5495

 65.1366, 0.3006,
0.2992

 67.4253, 0.2918,
0.2788

 68.4996, 0.2964,
0.2794

 69.6093, 0.3010,
0.2801

Harmonies

Analogous

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



54.9815, 0.4130, 0.4344



54.9815, 0.3553, 0.4540



54.9815, 0.2895, 0.4301

Triad

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



54.9815, 0.3553, 0.4540



54.9815, 0.1945, 0.2486



54.9815, 0.3935, 0.2903

Complementary

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



54.9815, 0.3553, 0.4540



21.3213, 0.2511, 0.1924

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.



54.9815, 0.3253, 0.2511



54.9815, 0.3553, 0.4540



54.9815, 0.2150, 0.2262

Square

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



54.9815, 0.3553, 0.4540



54.9815, 0.2003, 0.2978



54.9815, 0.2603, 0.2282



54.9815, 0.4395, 0.3392

Rectangle

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



54.9815, 0.3553, 0.4540



54.9815, 0.2499, 0.3907



54.9815, 0.2603, 0.2282



54.9815, 0.3719, 0.2758

Sweetspot

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



54.9839, 0.3553, 0.4540



95.8087, 0.3263, 0.3646



33.3589, 0.4199, 0.3683



20.3790, 0.3285, 0.3704



0.0000, 0.0000, 0.0000



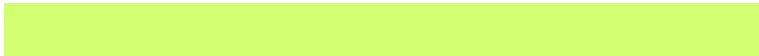
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



54.9839, 0.3553, 0.4540



86.2976, 0.3616, 0.4794



50.3282, 0.3177, 0.4704



13.6002, 0.3217, 0.3523



31.7254, 0.3644, 0.5489



1.8155, 0.3747, 0.5407

Inverse Universe

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



21.3213, 0.2511, 0.1924



26.1086, 0.2346, 0.1615



26.5039, 0.2994, 0.2094



11.5986, 0.3031, 0.3053



3.6178, 0.1733, 0.0728



0.2446, 0.1939, 0.0842

Previews

White Background



This preview shows how the Yxy color 54.9815, 0.3553, 0.4540 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 54.9815, 0.3553, 0.4540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

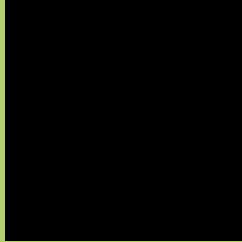
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.9815, 0.3553, 0.4540

Background



This preview shows how black text looks on a background with the Yxy color 54.9815, 0.3553, 0.4540.



This preview shows how white text looks on a background with the Yxy color 54.9815, 0.3553, 0.4540.

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

54.9815, 0.3553, 0.4540

Protanopia

54.5179, 0.3974, 0.4321

Deuteranopia

54.3601, 0.4156, 0.4065



Tritanopia

55.0018, 0.2966, 0.3108

Trichromacy



Original Color

54.9815, 0.3553, 0.4540

Protanomaly

54.3259, 0.3822, 0.4402

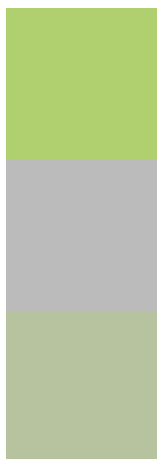
Deuteranomaly

54.2229, 0.3931, 0.4238

Tritanomaly

54.5549, 0.3190, 0.3621

Monochromacy



Original Color

54.9815, 0.3553, 0.4540

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.1541, 0.3302, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.9815, 0.3553, 0.4540 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(176, 207, 110)` looks like.

```
.text, #text, p{  
    color:rgb(176, 207, 110)  
}
```

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(176, 207, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 207, 110) }
```

Border

The CSS property to change the border of an element to Yxy 54.9815, 0.3553, 0.4540 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(176, 207, 110) }
```

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

```
.border{ border-color:rgb(176, 207, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 207, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 207, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 207, 110);  
box-shadow:4px 4px 4px 4px rgb(176, 207,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 54.9815, 0.3553, 0.4540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 207, 110) }
```

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

```
.background{ background-color: rgb(176,  
207, 110) }
```

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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