

Converting Colors

$Yxy(53.6604, 0.3671, 0.4837)$

Have a look what the booklet for
Yxy(53.6604, 0.3671, 0.4837)
contains.

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Color

Yxy(53.5534, 0.3671, 0.4833)

Conversions

Conversions Part 1

Format	Color
Hex	ACCE54
RGB	172, 206, 84
RGB Percent	67%, 81%, 33%
CMY	0.3257, 0.1921, 0.6706
CMYK	0.17, 0.00, 0.59, 0.19
HSL	77°, 55%, 57%
HSV	77°, 59%, 81%
XYZ	40.6775, 53.5534, 16.5768
YIQ	181.9260, 18.8980, -45.1500

Conversions

Conversions Part 2

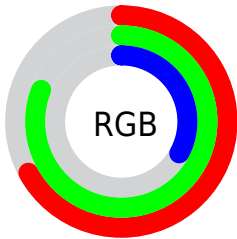
Format	Color
RYB	84, 206, 118
Decimal	11325012
CIELab	78.20, -29.24, 55.62
CIELCh	78, 62.838, 117.730
Yxy	53.5534, 0.3671, 0.4833
Android (android.graphics.Color)	4289515092 (0xFFACCE54)
YUV	181.9260, -48.2775, -8.7051
Hunter-Lab	73.1802, -28.8453, 37.7957

Details

The Yxy color **53.5534, 0.3671, 0.4833** 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 **14.6501, 0.2257, 0.1518**, and the grayscale version is **46.9934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1780, 0.3635, 0.4492**, and **26.3222, 0.3733, 0.5235** is the 20% darker color. If you saturate the color by 10%, you get **52.6427, 0.3716, 0.5049**, and if you desaturate by 10%, it is **54.5919, 0.3604, 0.4587**.

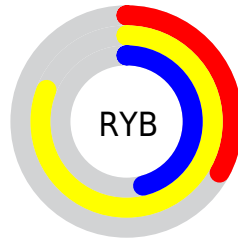
Distribution



Red (67%)

Green (81%)

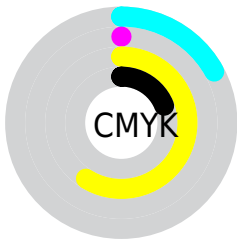
Blue (33%)



Red (33%)

Yellow (81%)

Blue (46%)

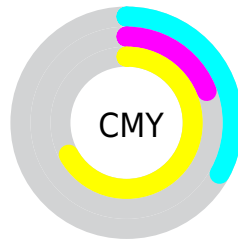


Cyan (17%)

Magenta (0%)

Yellow (59%)

Black (19%)



Cyan (33%)

Magenta (19%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.5534, 0.3671, 0.4833 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 53.5534, 0.3671, 0.4833 by changing the saturation by 10% instead.


 53.5534, 0.3671,
0.4833

 53.5534, 0.3671,
0.4833


400.4047, 0.3452,
0.4064


 38.2447, 0.3704,
0.5014

 95.4182, 0.3606,
0.4560


 26.1727, 0.3733,
0.5237


 122.7431, 0.3578,
0.4455


 16.9529, 0.3748,
0.5513


 154.8422, 0.3551,
0.4365

 10.2009, 0.3729,
0.5860

 192.0999, 0.3527,
0.4288

 5.5324, 0.3657,
0.6343

 234.9007, 0.3506,
0.4221

 2.5629, 0.3287,
0.6713

283.6288, 0.3486,

 0.9080, 0.1411,

0.4163

0.8589

338.6686, 0.3468,
0.4111

0.0000, 0.0000,
0.0000

53.5534, 0.3671,
0.4833

53.5534, 0.3671,
0.4833

52.6427, 0.3716,
0.5049

54.5919, 0.3604,
0.4587

51.8438, 0.3737,
0.5223

55.7590, 0.3521,
0.4322

51.1484, 0.3733,
0.5351

57.0641, 0.3426,
0.4049

50.5392, 0.3707,
0.5435

58.5139, 0.3325,
0.3779

50.4944, 0.3705,
0.5441

60.1144, 0.3222,
0.3518

■ 61.8714, 0.3119,
0.3272

■ 63.7900, 0.3020,
0.3043

■ 65.8755, 0.2927,
0.2833

■ 67.1702, 0.2927,
0.2778

Harmonies

Analogous

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



53.5534, 0.4362, 0.4506



53.5534, 0.3671, 0.4833



53.5534, 0.2879, 0.4613

Triad

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



53.5534, 0.3671, 0.4833



53.5534, 0.1715, 0.2337



53.5534, 0.4061, 0.2776

Complementary

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



53.5534, 0.3671, 0.4833



14.6501, 0.2257, 0.1518

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.



53.5534, 0.3206, 0.2333



53.5534, 0.3671, 0.4833



53.5534, 0.1930, 0.2068

Square

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



53.5534, 0.3671, 0.4833



53.5534, 0.1797, 0.2941



53.5534, 0.2437, 0.2081



53.5534, 0.4661, 0.3336

Rectangle

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



53.5534, 0.3671, 0.4833



53.5534, 0.2399, 0.4127



53.5534, 0.2437, 0.2081



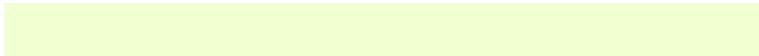
53.5534, 0.3786, 0.2611

Sweetspot

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



53.5558, 0.3671, 0.4833



95.0393, 0.3315, 0.3752



26.3766, 0.4669, 0.3691



20.1873, 0.3345, 0.3831



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.



53.5558, 0.3671, 0.4833



84.9178, 0.3724, 0.5099



48.2648, 0.3209, 0.5092



12.9332, 0.3223, 0.3522



31.1384, 0.3712, 0.5435



1.6432, 0.3810, 0.5357

Inverse Universe

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



14.6501, 0.2257, 0.1518



16.4317, 0.2040, 0.1161



20.2064, 0.2873, 0.1783



10.9930, 0.3025, 0.3053



3.3309, 0.1684, 0.0701



0.2105, 0.1899, 0.0820

Previews

White Background



This preview shows how the Yxy color 53.5534, 0.3671, 0.4833 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 53.5534, 0.3671, 0.4833 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 53.5534, 0.3671, 0.4833

Background



This preview shows how black text looks on a background with the Yxy color 53.5534, 0.3671, 0.4833.



This preview shows how white text looks on a background with the Yxy color 53.5534, 0.3671, 0.4833.

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

53.5534, 0.3671, 0.4833

Protanopia

53.1662, 0.4149, 0.4544

Deuteranopia

53.1963, 0.4356, 0.4272



Tritanopia

53.3082, 0.2964, 0.3094

Trichromacy



Original Color

53.5534, 0.3671, 0.4833

Protanomaly

53.1244, 0.3967, 0.4660

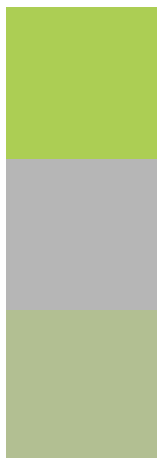
Deuteranomaly

52.7000, 0.4100, 0.4470

Tritanomaly

53.0136, 0.3250, 0.3730

Monochromacy



Original Color

53.5534, 0.3671, 0.4833

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.8019, 0.3364, 0.3893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.5534, 0.3671, 0.4833 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(172, 206, 84)` looks like.

```
.text, #text, p{  
    color:rgb(172, 206, 84)  
}
```

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(172, 206, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 206, 84) }
```

Border

The CSS property to change the border of an element to Yxy 53.5534, 0.3671, 0.4833 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(172, 206, 84) }
```

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

```
.border{ border-color:rgb(172, 206, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 206, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 206, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 206, 84);  
box-shadow:4px 4px 4px 4px rgb(172, 206,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 53.5534, 0.3671, 0.4833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 206, 84) }
```

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

```
.background{ background-color: rgb(172,  
206, 84) }
```

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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