

Converting Colors

Yxy(51.7669, 0.3541, 0.4517)

Have a look what the booklet for
Yxy(51.7669, 0.3541, 0.4517)
contains.

Yxy(51.5353, 0.3539, 0.4510)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.5353, 0.3539, 0.4510)

Conversions

Conversions Part 1

Format	Color
Hex	ABC96D
RGB	171, 201, 109
RGB Percent	67%, 79%, 43%
CMY	0.3295, 0.2117, 0.5724
CMYK	0.15, 0.00, 0.46, 0.21
HSL	80°, 46%, 61%
HSV	80°, 46%, 79%
XYZ	40.4398, 51.5353, 22.2939
YIQ	181.5420, 11.6520, -34.9720

Conversions

Conversions Part 2

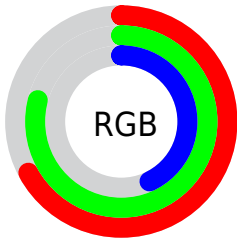
Format	Color
RYB	109, 201, 139
Decimal	11258221
CIELab	77.00, -24.81, 42.47
CIELCh	77, 49.184, 120.292
Yxy	51.5353, 0.3539, 0.4510
Android (android.graphics.Color)	4289448301 (0xFFABC96D)
YUV	181.5420, -35.7632, -9.2453
Hunter-Lab	71.7881, -25.0762, 31.8391

Details

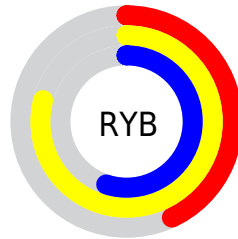
The Yxy color **51.5353, 0.3539, 0.4510** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **20.6574, 0.2536, 0.1964**, and the grayscale version is **46.7113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6226, 0.3493, 0.4261**, and **24.9548, 0.3611, 0.4862** is the 20% darker color. If you saturate the color by 10%, you get **50.4341, 0.3604, 0.4772**, and if you desaturate by 10%, it is **52.7766, 0.3460, 0.4235**.

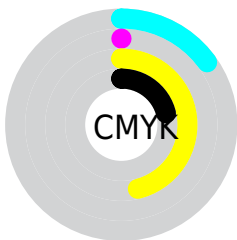
Distribution



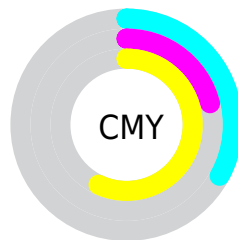
- Red (67%)
- Green (79%)
- Blue (43%)



- Red (43%)
- Yellow (79%)
- Blue (55%)



- Cyan (15%)
- Magenta (0%)
- Yellow (46%)
- Black (21%)





- Cyan (33%)
- Magenta (21%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5353, 0.3539, 0.4510 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 51.5353, 0.3539, 0.4510 by changing the saturation by 10% instead.


 51.5353, 0.3539,
0.4510

 51.5353, 0.3539,
0.4510


392.6400, 0.3361,
0.3892


 36.6348, 0.3572,
0.4662


 92.4455, 0.3482,
0.4286

 24.9249, 0.3607,
0.4855


 119.2241, 0.3459,
0.4201

 16.0211, 0.3640,
0.5105


 150.7308, 0.3438,
0.4130

 9.5391, 0.3658,
0.5434

 187.3500, 0.3419,
0.4069

 5.0944, 0.3690,
0.5975

229.4661, 0.3402,
0.4016

 2.3028, 0.3485,
0.6515

277.4635, 0.3387,

 0.7752, 0.1447,

0.3969

0.8553

331.7267, 0.3373,
0.3928

0.0000, 0.0000,
0.0000

51.5353, 0.3539,
0.4510

51.5353, 0.3539,
0.4510

50.4341, 0.3604,
0.4772

52.7766, 0.3460,
0.4235

49.4589, 0.3649,
0.5009

54.1580, 0.3371,
0.3958

48.6037, 0.3671,
0.5209


55.6878, 0.3277,
0.3688


47.8590, 0.3668,
0.5363

57.3719, 0.3181,
0.3430


47.2131, 0.3641,
0.5467

59.2156, 0.3088,
0.3190

 46.9594, 0.3626,
0.5503

 61.2242, 0.2997,
0.2969

 63.4025, 0.2912,
0.2768

 64.7618, 0.2924,
0.2724

 65.8275, 0.2971,
0.2732

Harmonies

Analogous

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



51.5353, 0.4104, 0.4326



51.5353, 0.3539, 0.4510



51.5353, 0.2895, 0.4270

Triad

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



51.5353, 0.3539, 0.4510



51.5353, 0.1969, 0.2501



51.5353, 0.3923, 0.2917

Complementary

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



51.5353, 0.3539, 0.4510



20.6574, 0.2536, 0.1964

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.



51.5353, 0.3258, 0.2530



51.5353, 0.3539, 0.4510



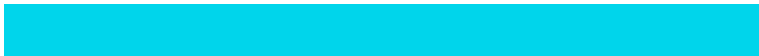
51.5353, 0.2173, 0.2282

Square

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



51.5353, 0.3539, 0.4510



51.5353, 0.2024, 0.2980



51.5353, 0.2621, 0.2303



51.5353, 0.4368, 0.3398

Rectangle

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



51.5353, 0.3539, 0.4510



51.5353, 0.2508, 0.3885



51.5353, 0.2621, 0.2303



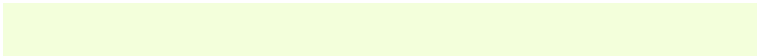
51.5353, 0.3713, 0.2774

Sweetspot

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



51.5376, 0.3539, 0.4510



95.7662, 0.3262, 0.3646



31.7469, 0.4161, 0.3674



20.3686, 0.3283, 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.



51.5376, 0.3539, 0.4510



86.3378, 0.3604, 0.4773



47.3099, 0.3178, 0.4663



12.2368, 0.3216, 0.3522



29.5750, 0.3634, 0.5497



1.4384, 0.3754, 0.5402

Inverse Universe

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



20.6574, 0.2536, 0.1964



26.9540, 0.2371, 0.1649



25.3713, 0.2998, 0.2124



10.4528, 0.3033, 0.3055



3.4161, 0.1744, 0.0735



0.2013, 0.1984, 0.0867

Previews

White Background



This preview shows how the Yxy color 51.5353, 0.3539, 0.4510 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 51.5353, 0.3539, 0.4510 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 51.5353, 0.3539, 0.4510

Background



This preview shows how black text looks on a background with the Yxy color 51.5353, 0.3539, 0.4510.



This preview shows how white text looks on a background with the Yxy color 51.5353, 0.3539, 0.4510.

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

51.5353, 0.3539, 0.4510

Protanopia

51.4021, 0.3956, 0.4303

Deuteranopia

51.0856, 0.4132, 0.4044



Tritanopia

51.3020, 0.2961, 0.3103

Trichromacy



Original Color

51.5353, 0.3539, 0.4510

Protanomaly

51.2263, 0.3801, 0.4385

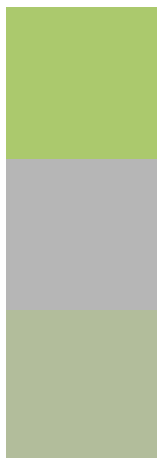
Deuteranomaly

50.6916, 0.3917, 0.4206

Tritanomaly

51.0696, 0.3185, 0.3604

Monochromacy



Original Color

51.5353, 0.3539, 0.4510

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.2267, 0.3298, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5353, 0.3539, 0.4510 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(171, 201, 109)` looks like.

```
.text, #text, p{  
    color:rgb(171, 201, 109)  
}
```

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(171, 201, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 201, 109) }
```

Border

The CSS property to change the border of an element to Yxy 51.5353, 0.3539, 0.4510 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(171, 201, 109) }
```

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

```
.border{ border-color:rgb(171, 201, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 201, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 201, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 201, 109); box-shadow:4px 4px 4px 4px rgb(171, 201, 109) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5353, 0.3539, 0.4510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 201, 109) }
```

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

```
.background{ background-color: rgb(171,  
201, 109) }
```

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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