

Converting Colors

$Y_{xy}(50.6270, 0.3499, 0.4411)$

Have a look what the booklet for
Yxy(50.6270, 0.3499, 0.4411)
contains.

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Color

Yxy(50.6307, 0.3499, 0.4418)

Conversions

Conversions Part 1

Format	Color
Hex	AAC773
RGB	170, 199, 115
RGB Percent	67%, 78%, 45%
CMY	0.3332, 0.2196, 0.5491
CMYK	0.15, 0.00, 0.42, 0.22
HSL	81°, 43%, 62%
HSV	81°, 42%, 78%
XYZ	40.0989, 50.6307, 23.8714
YIQ	180.7530, 9.6800, -32.2720

Conversions

Conversions Part 2

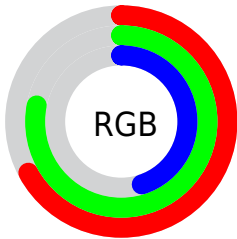
Format	Color
RYB	115, 199, 144
Decimal	11192179
CIELab	76.45, -23.51, 38.81
CIELCh	76, 45.373, 121.207
Yxy	50.6307, 0.3499, 0.4418
Android (android.graphics.Color)	4289382259 (0xFFAAC773)
YUV	180.7530, -32.4162, -9.4304
Hunter-Lab	71.1553, -23.9297, 29.9179

Details

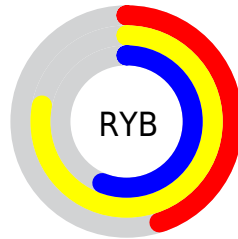
The Yxy color **50.6307, 0.3499, 0.4418** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.3044, 0.2608, 0.2083**, and the grayscale version is **46.2450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5159, 0.3446, 0.4204**, and **24.3455, 0.3559, 0.4740** is the 20% darker color. If you saturate the color by 10%, you get **49.4782, 0.3566, 0.4689**, and if you desaturate by 10%, it is **51.9264, 0.3419, 0.4139**.

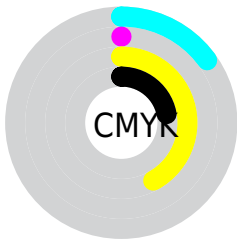
Distribution



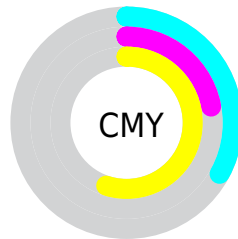
- Red (67%)
- Green (78%)
- Blue (45%)



- Red (45%)
- Yellow (78%)
- Blue (56%)



- Cyan (15%)
- Magenta (0%)
- Yellow (42%)
- Black (22%)




- Cyan (33%)
- Magenta (22%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6307, 0.3499, 0.4418 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 50.6307, 0.3499, 0.4418 by changing the saturation by 10% instead.


 50.6307, 0.3499,
0.4418

 50.6307, 0.3499,
0.4418


389.1273, 0.3336,
0.3844

 35.9148, 0.3531,
0.4561


 91.1087, 0.3446,
0.4209

 24.3684, 0.3565,
0.4743


 117.6395, 0.3424,
0.4130

 15.6071, 0.3599,
0.4981


 148.8774, 0.3405,
0.4064

 9.2466, 0.3625,
0.5301

185.2068, 0.3388,
0.4007

 4.9024, 0.3645,
0.5793

227.0121, 0.3373,
0.3958

 2.1901, 0.3537,
0.6463

274.6777, 0.3359,

 0.7146, 0.1284,

0.3915

0.8716

328.5879, 0.3347,
0.3878

0.0000, 0.0000,
0.0000

50.6307, 0.3499,
0.4418

50.6307, 0.3499,
0.4418

49.4782, 0.3566,
0.4689

51.9264, 0.3419,
0.4139

48.4553, 0.3616,
0.4940

53.3652, 0.3331,
0.3862

47.5563, 0.3643,
0.5157

54.9552, 0.3239,
0.3595

46.7725, 0.3646,
0.5332

56.7019, 0.3147,
0.3343

46.0932, 0.3625,
0.5457


58.6108, 0.3057,
0.3110

 45.6227, 0.3596,
0.5527

 60.6867, 0.2971,
0.2897

 62.9345, 0.2890,
0.2703

 64.0612, 0.2934,
0.2704

 65.1858, 0.2983,
0.2713

Harmonies

Analogous

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



50.6307, 0.4029, 0.4269



50.6307, 0.3499, 0.4418



50.6307, 0.2898, 0.4179

Triad

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



50.6307, 0.3499, 0.4418



50.6307, 0.2044, 0.2547



50.6307, 0.3883, 0.2956

Complementary

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



50.6307, 0.3499, 0.4418



22.3044, 0.2608, 0.2083

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.



50.6307, 0.3271, 0.2587



50.6307, 0.3499, 0.4418



50.6307, 0.2244, 0.2344

Square

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



50.6307, 0.3499, 0.4418



50.6307, 0.2090, 0.2990



50.6307, 0.2673, 0.2368



50.6307, 0.4286, 0.3412

Rectangle

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



50.6307, 0.3499, 0.4418



50.6307, 0.2539, 0.3821



50.6307, 0.2673, 0.2368



50.6307, 0.3691, 0.2820

Sweetspot

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



50.6329, 0.3499, 0.4418



95.9421, 0.3248, 0.3620



33.0196, 0.4045, 0.3663



20.3983, 0.3269, 0.3679



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.



50.6329, 0.3499, 0.4418



86.7243, 0.3563, 0.4676



46.7494, 0.3167, 0.4546



12.2269, 0.3213, 0.3522



29.3868, 0.3604, 0.5520



1.4305, 0.3730, 0.5421

Inverse Universe

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



22.3044, 0.2608, 0.2083



30.3974, 0.2457, 0.1782



26.6935, 0.3027, 0.2217



10.4623, 0.3036, 0.3055



3.5001, 0.1770, 0.0749



0.2060, 0.2011, 0.0882

Previews

White Background



This preview shows how the Yxy color 50.6307, 0.3499, 0.4418 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 50.6307, 0.3499, 0.4418 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 50.6307, 0.3499, 0.4418

Background



This preview shows how black text looks on a background with the Yxy color 50.6307, 0.3499, 0.4418.



This preview shows how white text looks on a background with the Yxy color 50.6307, 0.3499, 0.4418.

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

50.6307, 0.3499, 0.4418

Protanopia

50.2359, 0.3897, 0.4227

Deuteranopia

50.3053, 0.4071, 0.3990



Tritanopia

50.6999, 0.2960, 0.3102

Trichromacy



Original Color

50.6307, 0.3499, 0.4418

Protanomaly

50.2066, 0.3751, 0.4303

Deuteranomaly

49.9705, 0.3849, 0.4137

Tritanomaly

50.5835, 0.3163, 0.3565

Monochromacy



Original Color

50.6307, 0.3499, 0.4418

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.7479, 0.3275, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6307, 0.3499, 0.4418 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(170, 199, 115)` looks like.

```
.text, #text, p{  
    color:rgb(170, 199, 115)  
}
```

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(170, 199, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 199, 115) }
```

Border

The CSS property to change the border of an element to Yxy 50.6307, 0.3499, 0.4418 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(170, 199, 115) }
```

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

```
.border{ border-color:rgb(170, 199, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 199, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 199, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 199, 115);  
box-shadow:4px 4px 4px 4px rgb(170, 199,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6307, 0.3499, 0.4418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 199, 115) }
```

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

```
.background{ background-color: rgb(170,  
199, 115) }
```

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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