

Converting Colors

Yxy(52.5007, 0.3516, 0.4423)

Have a look what the booklet for
Yxy(52.5007, 0.3516, 0.4423)
contains.

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Color

Yxy(52.5007, 0.3516, 0.4423)

Conversions

Conversions Part 1

Format	Color
Hex	AECA74
RGB	174, 202, 116
RGB Percent	68%, 79%, 45%
CMY	0.3175, 0.2079, 0.5450
CMYK	0.14, 0.00, 0.43, 0.21
HSL	80°, 45%, 62%
HSV	80°, 43%, 79%
XYZ	41.7347, 52.5007, 24.4639
YIQ	183.8240, 10.9180, -32.6820

Conversions

Conversions Part 2

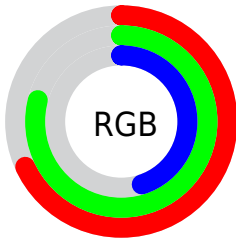
Format	Color
RYB	116, 202, 144
Decimal	11455092
CIELab	77.58, -23.32, 39.76
CIELCh	78, 46.094, 120.399
Yxy	52.5007, 0.3516, 0.4423
Android (android.graphics.Color)	4289645172 (0xFFAECA74)
YUV	183.8240, -33.4372, -8.6156
Hunter-Lab	72.4574, -23.9863, 30.7020

Details

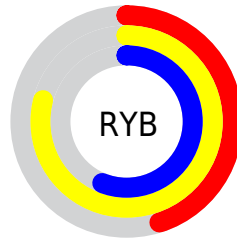
The Yxy color **52.5007, 0.3516, 0.4423** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.6891, 0.2586, 0.2065**, and the grayscale version is **48.0191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3735, 0.3474, 0.4183**, and **25.5662, 0.3581, 0.4738** is the 20% darker color. If you saturate the color by 10%, you get **51.3463, 0.3586, 0.4690**, and if you desaturate by 10%, it is **53.7989, 0.3433, 0.4146**.

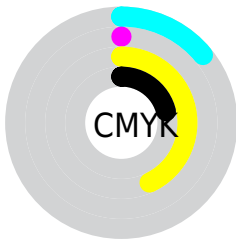
Distribution



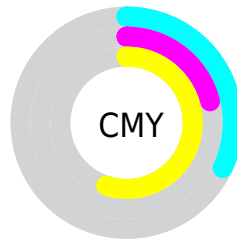
- Red (68%)
- Green (79%)
- Blue (45%)



- Red (45%)
- Yellow (79%)
- Blue (56%)



- Cyan (14%)
- Magenta (0%)
- Yellow (43%)
- Black (21%)



- Cyan (32%)
- Magenta (21%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5007, 0.3516, 0.4423 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 52.5007, 0.3516, 0.4423 by changing the saturation by 10% instead.


 52.5007, 0.3516,
0.4423


 52.5007, 0.3516,
0.4423


396.3666, 0.3346,
0.3851


 37.4043, 0.3549,
0.4564


 93.8692, 0.3461,
0.4216

 25.5207, 0.3585,
0.4743


 120.9102, 0.3438,
0.4137

 16.4654, 0.3622,
0.4976

 152.7015, 0.3418,
0.4071

 9.8541, 0.3650,
0.5286

189.6275, 0.3400,
0.4014

 5.3023, 0.3667,
0.5743

232.0726, 0.3384,
0.3965

 2.4257, 0.3594,
0.6406

280.4212, 0.3370,

 0.8391, 0.2138,

0.3922

0.7862

335.0577, 0.3357,
0.3885

0.0000, 0.0000,
0.0000

52.5007, 0.3516,
0.4423

52.5007, 0.3516,
0.4423

51.3463, 0.3586,
0.4690

53.7989, 0.3433,
0.4146

50.3215, 0.3638,
0.4937

55.2405, 0.3342,
0.3870

49.4206, 0.3668,
0.5149

56.8339, 0.3247,
0.3604


48.6344, 0.3673,
0.5318


58.5850, 0.3151,
0.3352

47.9522, 0.3654,
0.5438


60.4989, 0.3058,
0.3118

 47.4978, 0.3628,
0.5502

 62.5809, 0.2969,
0.2903

 64.6789, 0.2900,
0.2731

 65.7245, 0.2947,
0.2738

 66.8109, 0.2993,
0.2746

Harmonies

Analogous

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



52.5007, 0.4043, 0.4264



52.5007, 0.3516, 0.4423



52.5007, 0.2912, 0.4194

Triad

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



52.5007, 0.3516, 0.4423



52.5007, 0.2038, 0.2553



52.5007, 0.3871, 0.2944

Complementary

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



52.5007, 0.3516, 0.4423



22.6891, 0.2586, 0.2065

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.



52.5007, 0.3254, 0.2577



52.5007, 0.3516, 0.4423



52.5007, 0.2233, 0.2344

Square

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



52.5007, 0.3516, 0.4423



52.5007, 0.2091, 0.3004



52.5007, 0.2658, 0.2362



52.5007, 0.4284, 0.3399

Rectangle

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



52.5007, 0.3516, 0.4423



52.5007, 0.2550, 0.3839



52.5007, 0.2658, 0.2362



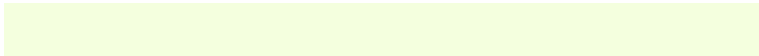
52.5007, 0.3676, 0.2808

Sweetspot

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



52.5030, 0.3516, 0.4423



96.0578, 0.3252, 0.3620



33.5374, 0.4065, 0.3648



20.4270, 0.3274, 0.3679



0.0000, 0.0000, 0.0000



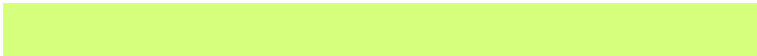
21.4041, 0.3127, 0.3290

Same Dimension

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



52.5030, 0.3516, 0.4423



87.1002, 0.3581, 0.4668



48.3891, 0.3177, 0.4555



12.9067, 0.3216, 0.3522



30.6155, 0.3635, 0.5496



1.6194, 0.3747, 0.5407

Inverse Universe

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



22.6891, 0.2586, 0.2065



30.1177, 0.2437, 0.1774



27.2292, 0.3011, 0.2203



11.0182, 0.3032, 0.3054



3.5259, 0.1742, 0.0733



0.2229, 0.1964, 0.0856

Previews

White Background



This preview shows how the Yxy color 52.5007, 0.3516, 0.4423 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 52.5007, 0.3516, 0.4423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

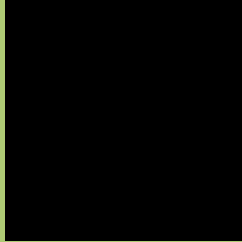
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.5007, 0.3516, 0.4423

Background



This preview shows how black text looks on a background with the Yxy color 52.5007, 0.3516, 0.4423.



This preview shows how white text looks on a background with the Yxy color 52.5007, 0.3516, 0.4423.

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

52.5007, 0.3516, 0.4423

Protanopia

52.1331, 0.3909, 0.4234

Deuteranopia

52.2120, 0.4082, 0.4000



Tritanopia

52.2057, 0.2970, 0.3092

Trichromacy



Original Color

52.5007, 0.3516, 0.4423

Protanomaly

52.0928, 0.3765, 0.4309

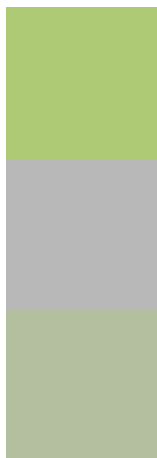
Deuteranomaly

51.8605, 0.3863, 0.4146

Tritanomaly

52.0313, 0.3179, 0.3561

Monochromacy



Original Color

52.5007, 0.3516, 0.4423

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

49.4681, 0.3281, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Xyy 52.5007, 0.3516, 0.4423 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(174, 202, 116)` looks like.

```
.text, #text, p{  
    color:rgb(174, 202, 116)  
}
```

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(174, 202, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 202, 116) }
```

Border

The CSS property to change the border of an element to Yxy 52.5007, 0.3516, 0.4423 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(174, 202, 116) }
```

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

```
.border{ border-color:rgb(174, 202, 116) }
```

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

Here you see how a box with a 4 pixel rgb(174, 202, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 202, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 202, 116);  
box-shadow:4px 4px 4px 4px rgb(174, 202,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5007, 0.3516, 0.4423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 202, 116) }
```

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

```
.background{ background-color: rgb(174,  
202, 116) }
```

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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