

Converting Colors

$Yxy(50.8274, 0.3499, 0.4383)$

Have a look what the booklet for
Yxy(50.8274, 0.3499, 0.4383)
contains.

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Color

Yxy(50.9019, 0.3502, 0.4386)

Conversions

Conversions Part 1

Format	Color
Hex	ACC775
RGB	172, 199, 117
RGB Percent	67%, 78%, 46%
CMY	0.3256, 0.2196, 0.5412
CMYK	0.14, 0.00, 0.41, 0.22
HSL	80°, 42%, 62%
HSV	80°, 41%, 78%
XYZ	40.6426, 50.9019, 24.5109
YIQ	181.5790, 10.2300, -31.2260

Conversions

Conversions Part 2

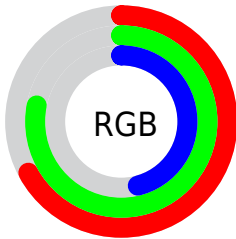
Format	Color
RYB	117, 199, 144
Decimal	11323253
CIELab	76.62, -22.53, 38.02
CIELCh	77, 44.199, 120.649
Yxy	50.9019, 0.3502, 0.4386
Android (android.graphics.Color)	4289513333 (0xFFACC775)
YUV	181.5790, -31.8374, -8.4008
Hunter-Lab	71.3456, -23.1707, 29.5727

Details

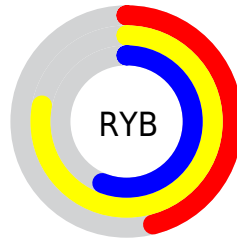
The Yxy color **50.9019, 0.3502, 0.4386** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.7787, 0.2611, 0.2111**, and the grayscale version is **46.7087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9163, 0.3448, 0.4179**, and **24.5076, 0.3567, 0.4697** is the 20% darker color. If you saturate the color by 10%, you get **49.7607, 0.3573, 0.4656**, and if you desaturate by 10%, it is **52.1838, 0.3418, 0.4109**.

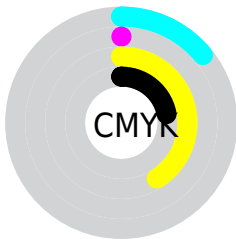
Distribution



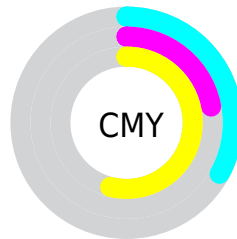
- Red (67%)
- Green (78%)
- Blue (46%)



- Red (46%)
- Yellow (78%)
- Blue (56%)



- Cyan (14%)
- Magenta (0%)
- Yellow (41%)
- Black (22%)





- Cyan (33%)
- Magenta (22%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9019, 0.3502, 0.4386 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 50.9019, 0.3502, 0.4386 by changing the saturation by 10% instead.


 50.9019, 0.3502,
0.4386


 50.9019, 0.3502,
0.4386


390.1825, 0.3336,
0.3830

 36.1305, 0.3535,
0.4525


 91.5097, 0.3448,
0.4183

 24.5350, 0.3571,
0.4701


 118.1150, 0.3426,
0.4107

 15.7310, 0.3609,
0.4932


 149.4337, 0.3406,
0.4043

 9.3340, 0.3640,
0.5242

185.8503, 0.3389,
0.3988

 4.9597, 0.3662,
0.5705

227.7490, 0.3373,
0.3940

 2.2236, 0.3601,
0.6399

275.5144, 0.3360,

 0.7328, 0.1666,

0.3899

0.8334

329.5308, 0.3347,
0.3862

0.0000, 0.0000,
0.0000

50.9019, 0.3502,
0.4386

50.9019, 0.3502,
0.4386

49.7607, 0.3573,
0.4656

52.1838, 0.3418,
0.4109

48.7464, 0.3628,
0.4906

53.6060, 0.3327,
0.3834

47.8539, 0.3660,
0.5125


55.1765, 0.3233,
0.3569

47.0743, 0.3668,
0.5301

56.9008, 0.3138,
0.3319


46.3975, 0.3651,
0.5429

58.7842, 0.3047,
0.3088

 45.8713, 0.3621,
0.5507

 60.8314, 0.2959,
0.2876

 62.9629, 0.2884,
0.2696

 63.9940, 0.2931,
0.2704

 65.0657, 0.2978,
0.2712

Harmonies

Analogous

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



50.9019, 0.4014, 0.4239



50.9019, 0.3502, 0.4386



50.9019, 0.2916, 0.4160

Triad

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



50.9019, 0.3502, 0.4386



50.9019, 0.2069, 0.2573



50.9019, 0.3852, 0.2958

Complementary

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



50.9019, 0.3502, 0.4386



22.7787, 0.2611, 0.2111

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.



50.9019, 0.3256, 0.2599



50.9019, 0.3502, 0.4386



50.9019, 0.2261, 0.2370

Square

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



50.9019, 0.3502, 0.4386



50.9019, 0.2119, 0.3010



50.9019, 0.2676, 0.2388



50.9019, 0.4249, 0.3403

Rectangle

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



50.9019, 0.3502, 0.4386



50.9019, 0.2564, 0.3816



50.9019, 0.2676, 0.2388



50.9019, 0.3665, 0.2825

Sweetspot

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



50.9042, 0.3502, 0.4386



96.3200, 0.3242, 0.3594



33.0635, 0.4023, 0.3636



20.5359, 0.3254, 0.3628



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.



50.9042, 0.3502, 0.4386



87.3996, 0.3564, 0.4617



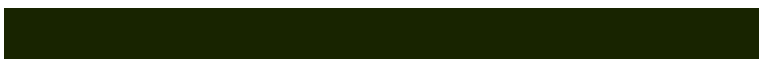
47.0450, 0.3177, 0.4508



12.2351, 0.3215, 0.3522



29.5416, 0.3629, 0.5501



1.4370, 0.3749, 0.5405

Inverse Universe

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



22.7787, 0.2611, 0.2111



31.8843, 0.2475, 0.1840



27.0333, 0.3016, 0.2238



10.4545, 0.3033, 0.3055



3.4305, 0.1749, 0.0737



0.2021, 0.1989, 0.0869

Previews

White Background



This preview shows how the Yxy color 50.9019, 0.3502, 0.4386 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 50.9019, 0.3502, 0.4386 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 50.9019, 0.3502, 0.4386

Background



This preview shows how black text looks on a background with the Yxy color 50.9019, 0.3502, 0.4386.



This preview shows how white text looks on a background with the Yxy color 50.9019, 0.3502, 0.4386.

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

50.9019, 0.3502, 0.4386

Protanopia

50.7093, 0.3876, 0.4215

Deuteranopia

50.3539, 0.4054, 0.3968



Tritanopia

50.8221, 0.2968, 0.3102

Trichromacy



Original Color

50.9019, 0.3502, 0.4386

Protanomaly

50.8242, 0.3741, 0.4286

Deuteranomaly

50.1621, 0.3843, 0.4110

Tritanomaly

50.7022, 0.3171, 0.3564

Monochromacy



Original Color

50.9019, 0.3502, 0.4386

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.9000, 0.3276, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9019, 0.3502, 0.4386 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, 199, 117)` looks like.

```
.text, #text, p{  
    color:rgb(172, 199, 117)  
}
```

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, 199, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 199, 117) }
```

Border

The CSS property to change the border of an element to Yxy 50.9019, 0.3502, 0.4386 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, 199, 117) }
```

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

```
.border{ border-color:rgb(172, 199, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 199, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 199, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 199, 117); box-shadow:4px 4px 4px 4px rgb(172, 199, 117) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9019, 0.3502, 0.4386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 199, 117) }
```

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

```
.background{ background-color: rgb(172,  
199, 117) }
```

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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