

Converting Colors

$Y_{xy}(42.2890, 0.3492, 0.4014)$

Have a look what the booklet for
Yxy(42.2890, 0.3492, 0.4014)
contains.

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Color

Yxy(42.1438, 0.3495, 0.4007)

Conversions

Conversions Part 1

Format	Color
Hex	ACB27F
RGB	172, 178, 127
RGB Percent	67%, 70%, 50%
CMY	0.3256, 0.3019, 0.5020
CMYK	0.03, 0.00, 0.29, 0.30
HSL	67°, 25%, 60%
HSV	67°, 29%, 70%
XYZ	36.7588, 42.1438, 26.2728
YIQ	170.3920, 12.7950, -17.1330

Conversions

Conversions Part 2

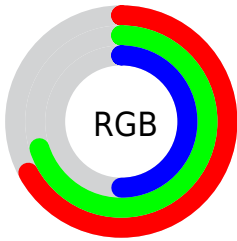
Format	Color
RYB	127, 178, 133
Decimal	11317887
CIELab	70.97, -10.58, 25.44
CIELCh	71, 27.550, 112.590
Yxy	42.1438, 0.3495, 0.4007
Android (android.graphics.Color)	4289507967 (0xFFACB27F)
YUV	170.3920, -21.3923, 1.4102
Hunter-Lab	64.9183, -12.5345, 21.4477

Details

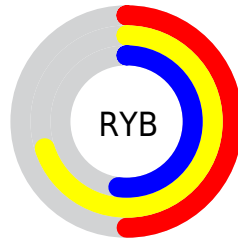
The Yxy color **42.1438, 0.3495, 0.4007** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.3815, 0.2692, 0.2488**, and the grayscale version is **40.5068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6349, 0.3432, 0.3874**, and **19.1250, 0.3597, 0.4226** is the 20% darker color. If you saturate the color by 10%, you get **41.4851, 0.3618, 0.4259**, and if you desaturate by 10%, it is **42.8921, 0.3366, 0.3751**.

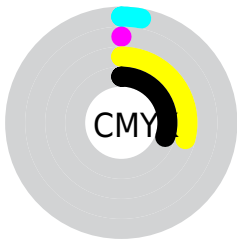
Distribution



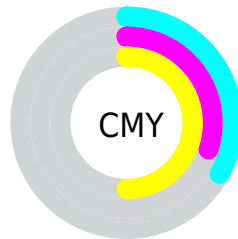
- Red (67%)
- Green (70%)
- Blue (50%)



- Red (50%)
- Yellow (70%)
- Blue (52%)



- Cyan (3%)
- Magenta (0%)
- Yellow (29%)
- Black (30%)




- Cyan (33%)
- Magenta (30%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1438, 0.3495, 0.4007 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 42.1438, 0.3495, 0.4007 by changing the saturation by 10% instead.


 42.1438, 0.3495,
0.4007

 42.1438, 0.3495,
0.4007


355.0787, 0.3314,
0.3636


 29.2139, 0.3538,
0.4103


 78.4172, 0.3431,
0.3870

 19.2427, 0.3592,
0.4227


 102.5295, 0.3406,
0.3819

 11.8458, 0.3659,
0.4394

 131.1381, 0.3385,
0.3776

 6.6388, 0.3745,
0.4629

164.6273, 0.3367,
0.3740

 3.2372, 0.3858,
0.4988

203.3816, 0.3351,
0.3709

 1.2568, 0.4165,
0.5835

247.7853, 0.3337,

 0.1074, 0.0000,

0.3681

1.0000

298.2229, 0.3325,
0.3657

0.0000, 0.0000,
0.0000

42.1438, 0.3495,
0.4007

42.1438, 0.3495,
0.4007

41.4851, 0.3618,
0.4259

42.8921, 0.3366,
0.3751

40.9059, 0.3731,
0.4499

43.7283, 0.3237,
0.3500

40.4035, 0.3828,
0.4716

44.6581, 0.3110,
0.3258

39.9726, 0.3904,
0.4900

45.6849, 0.2989,
0.3031

39.6073, 0.3956,
0.5045

46.8123, 0.2875,
0.2820

■ 39.3005, 0.3982,
0.5146

■ 48.0432, 0.2768,
0.2625

■ 39.0402, 0.3987,
0.5209

■ 49.3808, 0.2670,
0.2448

■ 39.0066, 0.3987,
0.5216

■ 49.8652, 0.2664,
0.2419

■ 50.1367, 0.2679,
0.2423

Harmonies

Analogous

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



42.1438, 0.3800, 0.3886



42.1438, 0.3495, 0.4007



42.1438, 0.3103, 0.3911

Triad

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



42.1438, 0.3495, 0.4007



42.1438, 0.2390, 0.2884



42.1438, 0.3512, 0.2992

Complementary

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



42.1438, 0.3495, 0.4007



23.3815, 0.2692, 0.2488

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.



42.1438, 0.3111, 0.2761



42.1438, 0.3495, 0.4007



42.1438, 0.2481, 0.2686

Square

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



42.1438, 0.3495, 0.4007



42.1438, 0.2479, 0.3220



42.1438, 0.2737, 0.2649



42.1438, 0.3818, 0.3299

Rectangle

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



42.1438, 0.3495, 0.4007



42.1438, 0.2848, 0.3727



42.1438, 0.2737, 0.2649



42.1438, 0.3383, 0.2904

Sweetspot

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



42.1457, 0.3495, 0.4007



79.2057, 0.3243, 0.3512



27.7589, 0.3721, 0.3379



17.4975, 0.3262, 0.3548



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.1457, 0.3495, 0.4007



75.6869, 0.3569, 0.4158



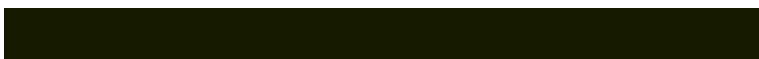
39.5402, 0.3259, 0.4064



9.8546, 0.3246, 0.3516



27.9226, 0.3989, 0.5214



0.8929, 0.4050, 0.5166

Inverse Universe

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



23.3815, 0.2692, 0.2488



36.3957, 0.2584, 0.2294



25.7073, 0.2951, 0.2544



8.2768, 0.3003, 0.3056



2.4298, 0.1550, 0.0628



0.0919, 0.1729, 0.0726

Previews

White Background



This preview shows how the Yxy color 42.1438, 0.3495, 0.4007 looks on a white background.

Color Contrast Check

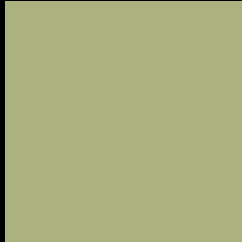
Large Text (above 18pt) WCAG AA × Fail

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 42.1438, 0.3495, 0.4007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

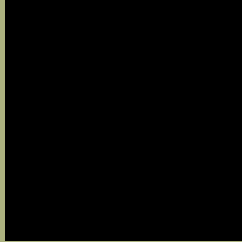
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1438, 0.3495, 0.4007

Background



This preview shows how black text looks on a background with the Yxy color 42.1438, 0.3495, 0.4007.



This preview shows how white text looks on a background with the Yxy color 42.1438, 0.3495, 0.4007.

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

42.1438, 0.3495, 0.4007

Protanopia

41.9326, 0.3675, 0.3937

Deuteranopia

41.8366, 0.3847, 0.3762



Tritanopia

42.1702, 0.3091, 0.3118

Trichromacy



Original Color

42.1438, 0.3495, 0.4007

Protanomaly

42.1114, 0.3610, 0.3960

Deuteranomaly

41.6454, 0.3720, 0.3847

Tritanomaly

42.1466, 0.3237, 0.3441

Monochromacy



Original Color

42.1438, 0.3495, 0.4007

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.8782, 0.3269, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1438, 0.3495, 0.4007 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, 178, 127)` looks like.

```
.text, #text, p{  
    color:rgb(172, 178, 127)  
}
```

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, 178, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 178, 127) }
```

Border

The CSS property to change the border of an element to Yxy 42.1438, 0.3495, 0.4007 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, 178, 127) }
```

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

```
.border{ border-color:rgb(172, 178, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 178, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 178, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 178, 127);  
box-shadow:4px 4px 4px 4px rgb(172, 178,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1438, 0.3495, 0.4007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 178, 127) }
```

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

```
.background{ background-color: rgb(172,  
178, 127) }
```

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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