

Converting Colors

$Y_{xy}(42.8731, 0.3482, 0.4061)$

Have a look what the booklet for
Yxy(42.8731, 0.3482, 0.4061)
contains.

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Color

Yxy(42.6949, 0.3478, 0.4050)

Conversions

Conversions Part 1

Format	Color
Hex	AAB47E
RGB	170, 180, 126
RGB Percent	67%, 71%, 49%
CMY	0.3334, 0.2941, 0.5057
CMYK	0.06, 0.00, 0.30, 0.29
HSL	71°, 26%, 60%
HSV	71°, 30%, 71%
XYZ	36.6649, 42.6949, 26.0597
YIQ	170.8540, 11.3740, -18.9140

Conversions

Conversions Part 2

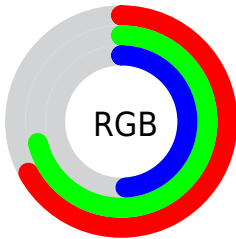
Format	Color
RYB	126, 180, 136
Decimal	11187326
CIELab	71.35, -12.52, 26.42
CIELCh	71, 29.240, 115.352
Yxy	42.6949, 0.3478, 0.4050
Android (android.graphics.Color)	4289377406 (0xFFAAB47E)
YUV	170.8540, -22.1130, -0.7490
Hunter-Lab	65.3413, -14.1858, 22.0927

Details

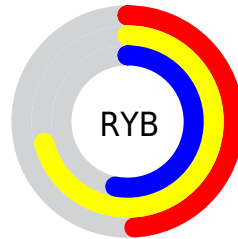
The Yxy color **42.6949, 0.3478, 0.4050** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.4659, 0.2703, 0.2453**, and the grayscale version is **40.7579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4143, 0.3420, 0.3908**, and **19.4825, 0.3571, 0.4286** is the 20% darker color. If you saturate the color by 10%, you get **41.9054, 0.3588, 0.4309**, and if you desaturate by 10%, it is **43.5813, 0.3362, 0.3789**.

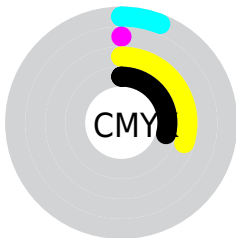
Distribution



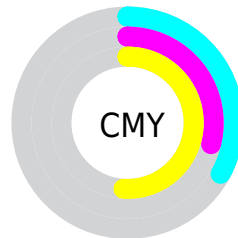
- Red (67%)
- Green (71%)
- Blue (49%)



- Red (49%)
- Yellow (71%)
- Blue (53%)



- Cyan (6%)
- Magenta (0%)
- Yellow (30%)
- Black (29%)





- Cyan (33%)
- Magenta (29%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6949, 0.3478, 0.4050 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 42.6949, 0.3478, 0.4050 by changing the saturation by 10% instead.


 42.6949, 0.3478,
0.4050

 42.6949, 0.3478,
0.4050


357.3555, 0.3308,
0.3657


 29.6458, 0.3518,
0.4152


 79.2502, 0.3418,
0.3904

 19.5699, 0.3567,
0.4284


 103.5253, 0.3395,
0.3850

 12.0828, 0.3628,
0.4461


 132.3111, 0.3375,
0.3805

 6.8001, 0.3703,
0.4711

165.9921, 0.3358,
0.3767

 3.3374, 0.3798,
0.5094

204.9526, 0.3343,
0.3733

 1.3103, 0.4043,
0.5957

249.5771, 0.3330,

 0.1492, 0.0000,

0.3704

1.0000

300.2500, 0.3318,
0.3679

0.0000, 0.0000,
0.0000

42.6949, 0.3478,
0.4050

42.6949, 0.3478,
0.4050

41.9054, 0.3588,
0.4309

43.5813, 0.3362,
0.3789

41.2025, 0.3687,
0.4557

44.5631, 0.3243,
0.3534

40.5832, 0.3769,
0.4783

45.6462, 0.3127,
0.3290

40.0419, 0.3831,
0.4977

46.8342, 0.3015,
0.3061

39.5723, 0.3867,
0.5130

48.1307, 0.2908,
0.2849

■ 39.1672, 0.3878,
0.5238

■ 49.5389, 0.2809,
0.2654

■ 38.8112, 0.3869,
0.5310

■ 51.0622, 0.2717,
0.2478

■ 38.8105, 0.3869,
0.5310

■ 51.6964, 0.2722,
0.2455

■ 52.1516, 0.2746,
0.2460

Harmonies

Analogous

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



42.6949, 0.3814, 0.3938



42.6949, 0.3478, 0.4050



42.6949, 0.3062, 0.3927

Triad

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



42.6949, 0.3478, 0.4050



42.6949, 0.2352, 0.2834



42.6949, 0.3570, 0.3003

Complementary

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



42.6949, 0.3478, 0.4050



23.4659, 0.2703, 0.2453

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.



42.6949, 0.3148, 0.2751



42.6949, 0.3478, 0.4050



42.6949, 0.2465, 0.2643

Square

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



42.6949, 0.3478, 0.4050



42.6949, 0.2427, 0.3177



42.6949, 0.2747, 0.2620



42.6949, 0.3878, 0.3329

Rectangle

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



42.6949, 0.3478, 0.4050



42.6949, 0.2797, 0.3720



42.6949, 0.2747, 0.2620



42.6949, 0.3435, 0.2908

Sweetspot

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



42.6968, 0.3478, 0.4050



80.9527, 0.3234, 0.3513



28.8006, 0.3743, 0.3435



17.4386, 0.3251, 0.3549



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.



42.6968, 0.3478, 0.4050



76.4431, 0.3552, 0.4223



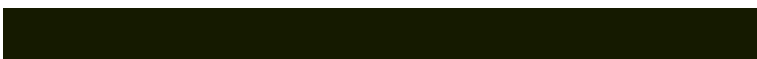
40.0030, 0.3233, 0.4113



9.8254, 0.3236, 0.3517



27.1128, 0.3873, 0.5306



0.8737, 0.3968, 0.5231

Inverse Universe

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



23.4659, 0.2703, 0.2453



35.9211, 0.2589, 0.2238



26.0048, 0.2979, 0.2516



8.3035, 0.3013, 0.3057



2.5524, 0.1596, 0.0653



0.1029, 0.1849, 0.0792

Previews

White Background



This preview shows how the Yxy color 42.6949, 0.3478, 0.4050 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 42.6949, 0.3478, 0.4050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

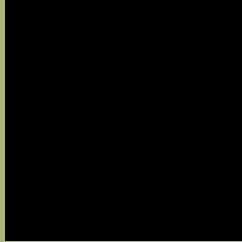
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6949, 0.3478, 0.4050

Background



This preview shows how black text looks on a background with the Yxy color 42.6949, 0.3478, 0.4050.



This preview shows how white text looks on a background with the Yxy color 42.6949, 0.3478, 0.4050.

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

42.6949, 0.3478, 0.4050

Protanopia

42.4187, 0.3689, 0.3960

Deuteranopia

42.3442, 0.3852, 0.3773



Tritanopia

42.5152, 0.3065, 0.3105

Trichromacy



Original Color

42.6949, 0.3478, 0.4050

Protanomaly

42.3551, 0.3605, 0.3988

Deuteranomaly

42.4010, 0.3711, 0.3872

Tritanomaly

42.4542, 0.3218, 0.3441

Monochromacy



Original Color

42.6949, 0.3478, 0.4050

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.2966, 0.3259, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6949, 0.3478, 0.4050 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, 180, 126)` looks like.

```
.text, #text, p{  
    color:rgb(170, 180, 126)  
}
```

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, 180, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 180, 126) }
```

Border

The CSS property to change the border of an element to Yxy 42.6949, 0.3478, 0.4050 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, 180, 126) }
```

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

```
.border{ border-color:rgb(170, 180, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 180, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 180, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 180, 126);  
box-shadow:4px 4px 4px 4px rgb(170, 180,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6949, 0.3478, 0.4050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 180, 126) }
```

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

```
.background{ background-color: rgb(170,  
180, 126) }
```

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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