

Converting Colors

$Yxy(40.9116, 0.3399, 0.4226)$

Have a look what the booklet for
Yxy(40.9116, 0.3399, 0.4226)
contains.

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Color

Yxy(40.7969, 0.3401, 0.4222)

Conversions

Conversions Part 1

Format	Color
Hex	9AB475
RGB	154, 180, 117
RGB Percent	60%, 71%, 46%
CMY	0.3959, 0.2941, 0.5412
CMYK	0.14, 0.00, 0.35, 0.29
HSL	85°, 30%, 58%
HSV	85°, 35%, 71%
XYZ	32.8636, 40.7969, 22.9688
YIQ	165.0440, 4.7270, -25.1050

Conversions

Conversions Part 2

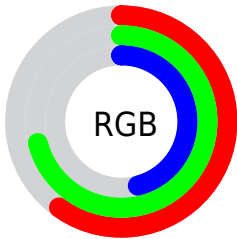
Format	Color
RYB	117, 180, 143
Decimal	10138741
CIELab	70.03, -19.90, 29.28
CIElCh	70, 35.397, 124.201
Yxy	40.7969, 0.3401, 0.4222
Android (android.graphics.Color)	4288328821 (0xFF9AB475)
YUV	165.0440, -23.6857, -9.6856
Hunter-Lab	63.8725, -19.9350, 23.3898

Details

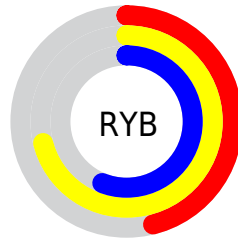
The Yxy color **40.7969, 0.3401, 0.4222** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **21.8505, 0.2763, 0.2330**, and the grayscale version is **37.7667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4485, 0.3355, 0.4036**, and **18.4209, 0.3458, 0.4513** is the 20% darker color. If you saturate the color by 10%, you get **39.7097, 0.3466, 0.4507**, and if you desaturate by 10%, it is **42.0140, 0.3327, 0.3939**.

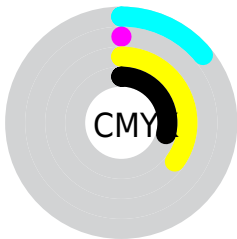
Distribution



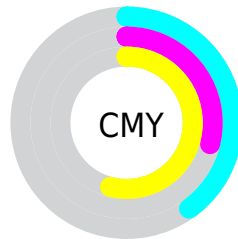
- Red (60%)
- Green (71%)
- Blue (46%)



- Red (46%)
- Yellow (71%)
- Blue (56%)



- Cyan (14%)
- Magenta (0%)
- Yellow (35%)
- Black (29%)





- Cyan (40%)
- Magenta (29%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7969, 0.3401, 0.4222 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 40.7969, 0.3401, 0.4222 by changing the saturation by 10% instead.

 40.7969, 0.3401,
0.4222


 40.7969, 0.3401,
0.4222


349.4710, 0.3274,
0.3730

 28.1604, 0.3428,
0.4352


 76.3755, 0.3358,
0.4038

 18.4466, 0.3459,
0.4523


 100.0864, 0.3341,
0.3970

 11.2711, 0.3492,
0.4755


 128.2575, 0.3326,
0.3914

 6.2495, 0.3521,
0.5087

161.2734, 0.3313,
0.3866

 2.9974, 0.3594,
0.5705

199.5182, 0.3301,
0.3825

 1.1304, 0.3352,
0.6648

243.3765, 0.3291,

 0.0037, 0.0000,

0.3789

1.0000

293.2327, 0.3282,
0.3758

■ 0.0000, 0.0000,
0.0000

■ 40.7969, 0.3401,
0.4222

■ 40.7969, 0.3401,
0.4222

■ 39.7097, 0.3466,
0.4507

■ 42.0140, 0.3327,
0.3939

■ 38.7416, 0.3517,
0.4784

■ 43.3609, 0.3248,
0.3667

■ 37.8884, 0.3551,
0.5039


■ 44.8439, 0.3167,
0.3411


■ 37.1434, 0.3562,
0.5259

■ 46.4677, 0.3088,
0.3174

■ 36.4991, 0.3550,
0.5434


■ 48.2364, 0.3011,
0.2958


 35.9464, 0.3516,
0.5557

 50.1543, 0.2937,
0.2762

 35.6952, 0.3495,
0.5607

 52.2251, 0.2868,
0.2586

 54.0608, 0.2843,
0.2483

 55.1977, 0.2899,
0.2495

Harmonies

Analogous

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



40.7969, 0.3858, 0.4145



40.7969, 0.3401, 0.4222



40.7969, 0.2893, 0.3985

Triad

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



40.7969, 0.3401, 0.4222



40.7969, 0.2209, 0.2639



40.7969, 0.3805, 0.3048

Complementary

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



40.7969, 0.3401, 0.4222



21.8505, 0.2763, 0.2330

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.



40.7969, 0.3306, 0.2716



40.7969, 0.3401, 0.4222



40.7969, 0.2404, 0.2477

Square

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



40.7969, 0.3401, 0.4222



40.7969, 0.2230, 0.3002



40.7969, 0.2793, 0.2512



40.7969, 0.4116, 0.3448

Rectangle

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



40.7969, 0.3401, 0.4222



40.7969, 0.2594, 0.3681



40.7969, 0.2793, 0.2512



40.7969, 0.3651, 0.2926

Sweetspot

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



40.7987, 0.3401, 0.4222



79.6234, 0.3217, 0.3567



30.3903, 0.3817, 0.3655



17.1336, 0.3228, 0.3602



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.



40.7987, 0.3401, 0.4222



72.4378, 0.3452, 0.4442



38.1573, 0.3130, 0.4305



9.7287, 0.3202, 0.3519



24.9546, 0.3502, 0.5601



0.8183, 0.3696, 0.5447

Inverse Universe

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



21.8505, 0.2763, 0.2330



32.9098, 0.2660, 0.2094



24.9793, 0.3097, 0.2419



8.3954, 0.3047, 0.3059



3.3577, 0.1878, 0.0808



0.1402, 0.2214, 0.0993

Previews

White Background



This preview shows how the Yxy color 40.7969, 0.3401, 0.4222 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 40.7969, 0.3401, 0.4222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

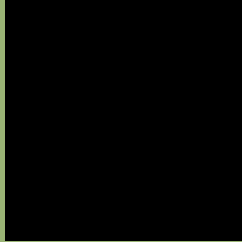
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7969, 0.3401, 0.4222

Background



This preview shows how black text looks on a background with the Yxy color 40.7969, 0.3401, 0.4222.



This preview shows how white text looks on a background with the Yxy color 40.7969, 0.3401, 0.4222.

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

40.7969, 0.3401, 0.4222

Protanopia

40.6324, 0.3768, 0.4077

Deuteranopia

40.6279, 0.3911, 0.3842



Tritanopia

40.9003, 0.2953, 0.3111

Trichromacy



Original Color

40.7969, 0.3401, 0.4222

Protanomaly

40.4857, 0.3637, 0.4132

Deuteranomaly

40.4198, 0.3711, 0.3972

Tritanomaly

40.6716, 0.3117, 0.3505

Monochromacy



Original Color

40.7969, 0.3401, 0.4222

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.4646, 0.3231, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7969, 0.3401, 0.4222 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(154, 180, 117)` looks like.

```
.text, #text, p{  
    color:rgb(154, 180, 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(154, 180, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 180, 117) }
```

Border

The CSS property to change the border of an element to Yxy 40.7969, 0.3401, 0.4222 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(154, 180, 117) }
```

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

```
.border{ border-color:rgb(154, 180, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 180, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 180, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 180, 117);  
box-shadow:4px 4px 4px 4px rgb(154, 180,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7969, 0.3401, 0.4222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 180, 117) }
```

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

```
.background{ background-color: rgb(154,  
180, 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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