

Converting Colors

$Yxy(40.8312, 0.3478, 0.4967)$

Have a look what the booklet for
Yxy(40.8312, 0.3478, 0.4967)
contains.

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Color

Yxy(41.0216, 0.3473, 0.4967)

Conversions

Conversions Part 1

Format	Color
Hex	85BB4A
RGB	133, 187, 74
RGB Percent	52%, 73%, 29%
CMY	0.4783, 0.2667, 0.7098
CMYK	0.29, 0.00, 0.60, 0.27
HSL	89°, 45%, 51%
HSV	89°, 60%, 73%
XYZ	28.6829, 41.0216, 12.8838
YIQ	157.9720, 4.0890, -46.5910

Conversions

Conversions Part 2

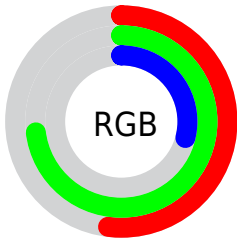
Format	Color
RYB	74, 187, 128
Decimal	8764234
CIELab	70.19, -36.14, 50.42
CIELCh	70, 62.031, 125.632
Yxy	41.0216, 0.3473, 0.4967
Android (android.graphics.Color)	4286954314 (0xFF85BB4A)
YUV	157.9720, -41.3982, -21.9004
Hunter-Lab	64.0481, -32.1458, 32.9070

Details

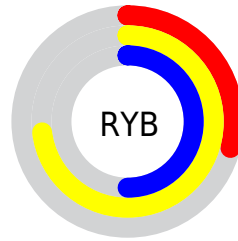
The Yxy color **41.0216, 0.3473, 0.4967** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **13.0713, 0.2482, 0.1597**, and the grayscale version is **34.3722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4523, 0.3443, 0.4629**, and **18.4810, 0.3476, 0.5480** is the 20% darker color. If you saturate the color by 10%, you get **40.1112, 0.3485, 0.5217**, and if you desaturate by 10%, it is **42.0723, 0.3441, 0.4689**.

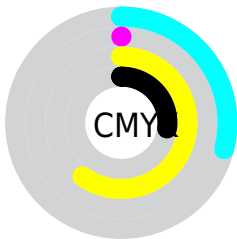
Distribution



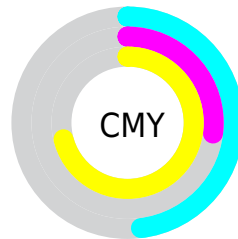
- Red (52%)
- Green (73%)
- Blue (29%)



- Red (29%)
- Yellow (73%)
- Blue (50%)



- Cyan (29%)
- Magenta (0%)
- Yellow (60%)
- Black (27%)





- Cyan (48%)
- Magenta (27%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0216, 0.3473, 0.4967 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 41.0216, 0.3473, 0.4967 by changing the saturation by 10% instead.


 41.0216, 0.3473,
0.4967


 41.0216, 0.3473,
0.4967


350.4109, 0.3348,
0.4077

 28.3360, 0.3481,
0.5196


 76.7167, 0.3443,
0.4636

 18.5791, 0.3474,
0.5487


 100.4949, 0.3427,
0.4514


 11.3665, 0.3432,
0.5864


 128.7395, 0.3411,
0.4411

 6.3139, 0.3386,
0.6496

 161.8347, 0.3396,
0.4324

 3.0369, 0.3012,
0.6988

 200.1651, 0.3383,
0.4249

 1.1510, 0.1418,
0.8582

244.1150, 0.3370,

 0.0212, 0.0000,

0.4184

1.0000

294.0688, 0.3358,
0.4127

■ 0.0000, 0.0000,
0.0000

■ 41.0216, 0.3473,
0.4967

■ 41.0216, 0.3473,
0.4967

■ 40.1112, 0.3485,
0.5217

■ 42.0723, 0.3441,
0.4689

■ 39.3274, 0.3475,
0.5425

■ 43.2654, 0.3394,
0.4396

■ 38.6621, 0.3442,
0.5580

■ 44.6096, 0.3336,
0.4103

■ 38.1195, 0.3397,
0.5685

■ 46.1111, 0.3270,
0.3818

■ 47.7760, 0.3200,
0.3549

■ 49.6097, 0.3130,
0.3300

■ 51.6175, 0.3061,
0.3073

■ 53.8045, 0.2995,
0.2867

■ 56.1754, 0.2932,
0.2682

Harmonies

Analogous

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



41.0216, 0.4262, 0.4712



41.0216, 0.3473, 0.4967



41.0216, 0.2637, 0.4552

Triad

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



41.0216, 0.3473, 0.4967



41.0216, 0.1657, 0.2160



41.0216, 0.4347, 0.2884

Complementary

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



41.0216, 0.3473, 0.4967



13.0713, 0.2482, 0.1597

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.



41.0216, 0.3455, 0.2377



41.0216, 0.3473, 0.4967



41.0216, 0.1962, 0.1966

Square

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



41.0216, 0.3473, 0.4967



41.0216, 0.1656, 0.2699



41.0216, 0.2578, 0.2053



41.0216, 0.4861, 0.3491

Rectangle

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



41.0216, 0.3473, 0.4967



41.0216, 0.2168, 0.3939



41.0216, 0.2578, 0.2053



41.0216, 0.4072, 0.2699

Sweetspot

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



41.0234, 0.3473, 0.4967



83.1993, 0.3255, 0.3759



26.1683, 0.4475, 0.3999



18.1379, 0.3275, 0.3840



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



41.0234, 0.3473, 0.4967



71.2880, 0.3484, 0.5300



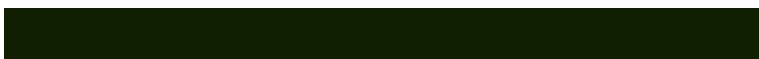
37.6440, 0.3059, 0.5203



10.8882, 0.3193, 0.3522



26.3086, 0.3405, 0.5678



1.0692, 0.3587, 0.5534

Inverse Universe

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



13.0713, 0.2482, 0.1597



16.7243, 0.2294, 0.1257



18.5807, 0.3146, 0.1885



9.4428, 0.3057, 0.3058



3.9883, 0.1992, 0.0871



0.1952, 0.2264, 0.1021

Previews

White Background



This preview shows how the Yxy color 41.0216, 0.3473, 0.4967 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 41.0216, 0.3473, 0.4967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

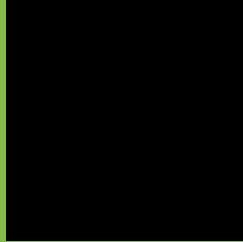
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.0216, 0.3473, 0.4967

Background



This preview shows how black text looks on a background with the Yxy color 41.0216, 0.3473, 0.4967.



This preview shows how white text looks on a background with the Yxy color 41.0216, 0.3473, 0.4967.

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

41.0216, 0.3473, 0.4967

Protanopia

40.5026, 0.4149, 0.4557

Deuteranopia

40.6374, 0.4339, 0.4254



Tritanopia

40.7236, 0.2803, 0.3092

Trichromacy



Original Color

41.0216, 0.3473, 0.4967

Protanomaly

40.3342, 0.3883, 0.4715

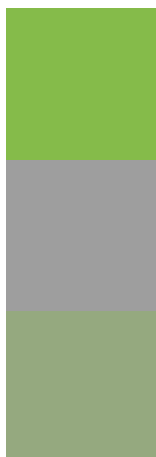
Deuteranomaly

40.1224, 0.4013, 0.4516

Tritanomaly

40.1864, 0.3071, 0.3772

Monochromacy



Original Color

41.0216, 0.3473, 0.4967

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

36.2978, 0.3299, 0.3937

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0216, 0.3473, 0.4967 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(133, 187, 74)` looks like.

```
.text, #text, p{  
    color:rgb(133, 187, 74)  
}
```

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(133, 187, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 187, 74) }
```

Border

The CSS property to change the border of an element to Yxy 41.0216, 0.3473, 0.4967 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(133, 187, 74) }
```

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

```
.border{ border-color:rgb(133, 187, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 187, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 187, 74); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 187, 74); box-shadow:4px 4px 4px 4px rgb(133, 187, 74) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0216, 0.3473, 0.4967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 187, 74) }
```

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

```
.background{ background-color: rgb(133,  
187, 74) }
```

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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