

Converting Colors

$Y_{xy}(40.2422, 0.3541, 0.5031)$

Have a look what the booklet for
Yxy(40.2422, 0.3541, 0.5031)
contains.

Yxy(40.2422, 0.3541, 0.5031)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.2422, 0.3541, 0.5031)

Conversions

Conversions Part 1

Format	Color
Hex	87B942
RGB	135, 185, 66
RGB Percent	53%, 73%, 26%
CMY	0.4706, 0.2745, 0.7413
CMYK	0.27, 0.00, 0.64, 0.27
HSL	85°, 47%, 49%
HSV	85°, 64%, 73%
XYZ	28.3239, 40.2422, 11.4224
YIQ	156.4840, 8.3990, -47.6090

Conversions

Conversions Part 2

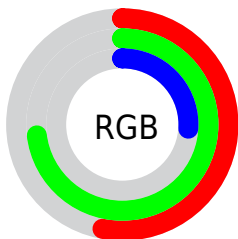
Format	Color
RYB	66, 185, 116
Decimal	8894786
CIELab	69.64, -35.17, 53.33
CIELCh	70, 63.888, 123.406
Yxy	40.2422, 0.3541, 0.5031
Android (android.graphics.Color)	4287084866 (0xFF87B942)
YUV	156.4840, -44.6086, -18.8415
Hunter-Lab	63.4367, -31.3157, 33.7300

Details

The Yxy color **40.2422, 0.3541, 0.5031** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **11.1049, 0.2352, 0.1459**, and the grayscale version is **33.6739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3189, 0.3503, 0.4689**, and **18.2541, 0.3547, 0.5558** is the 20% darker color. If you saturate the color by 10%, you get **39.4388, 0.3553, 0.5255**, and if you desaturate by 10%, it is **41.1667, 0.3508, 0.4773**.

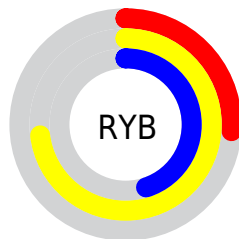
Distribution



Red (53%)

Green (73%)

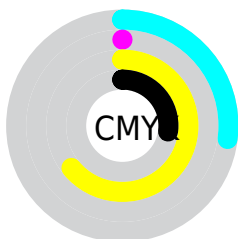
Blue (26%)



Red (26%)

Yellow (73%)

Blue (45%)

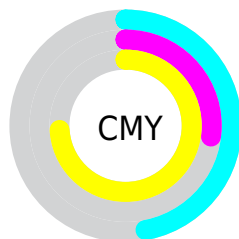


Cyan (27%)

Magenta (0%)

Yellow (64%)

Black (27%)



Cyan (47%)


Magenta (27%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2422, 0.3541, 0.5031 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 40.2422, 0.3541, 0.5031 by changing the saturation by 10% instead.


 40.2422, 0.3541,
0.5031


 40.2422, 0.3541,
0.5031


347.1434, 0.3387,
0.4110

 27.7274, 0.3552,
0.5264


 75.5322, 0.3503,
0.4691


 18.1203, 0.3547,
0.5558

 99.0762, 0.3483,
0.4564


 11.0364, 0.3503,
0.5931


 127.0654, 0.3464,
0.4458

 6.0913, 0.3449,
0.6551

 159.8842, 0.3446,
0.4367

 2.9007, 0.3035,
0.6965

 197.9170, 0.3429,
0.4289

 1.0801, 0.1261,
0.8739

241.5482, 0.3414,

 0.0000, 0.0000,

0.4222

0.0000

291.1622, 0.3400,
0.4162

■ 40.2422, 0.3541,
0.5031

■ 40.2422, 0.3541,
0.5031

■ 39.4388, 0.3553,
0.5255

■ 41.1667, 0.3508,
0.4773

■ 38.7432, 0.3541,
0.5434

■ 42.2142, 0.3457,
0.4493

■ 38.1474, 0.3506,
0.5561

■ 43.3927, 0.3392,
0.4207

■ 37.8443, 0.3481,
0.5618

■ 44.7083, 0.3319,
0.3923

■ 46.1664, 0.3241,
0.3651

■ 47.7722, 0.3162,
0.3395

■ 49.5304, 0.3083,
0.3159

■ 51.4456, 0.3007,
0.2944

■ 53.5224, 0.2935,
0.2749

Harmonies

Analogous

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



40.2422, 0.4344, 0.4715



40.2422, 0.3541, 0.5031



40.2422, 0.2676, 0.4663

Triad

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



40.2422, 0.3541, 0.5031



40.2422, 0.1604, 0.2150



40.2422, 0.4331, 0.2825

Complementary

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



40.2422, 0.3541, 0.5031



11.1049, 0.2352, 0.1459

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.



40.2422, 0.3391, 0.2317



40.2422, 0.3541, 0.5031



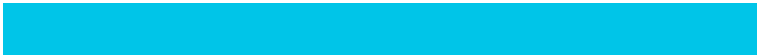
40.2422, 0.1893, 0.1932

Square

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



40.2422, 0.3541, 0.5031



40.2422, 0.1625, 0.2731



40.2422, 0.2500, 0.2002



40.2422, 0.4903, 0.3441

Rectangle

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



40.2422, 0.3541, 0.5031



40.2422, 0.2181, 0.4042



40.2422, 0.2500, 0.2002



40.2422, 0.4037, 0.2639

Sweetspot

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



40.2440, 0.3541, 0.5031



81.3509, 0.3280, 0.3784



23.0978, 0.4651, 0.3951



17.3799, 0.3302, 0.3862



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.2440, 0.3541, 0.5031



70.1214, 0.3551, 0.5331



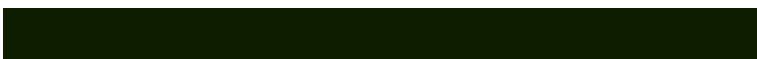
36.6241, 0.3086, 0.5306



10.3104, 0.3201, 0.3520



25.8109, 0.3490, 0.5611



0.9454, 0.3671, 0.5467

Inverse Universe

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



11.1049, 0.2352, 0.1459



13.9762, 0.2149, 0.1126



16.5185, 0.3070, 0.1786



8.8988, 0.3048, 0.3058



3.5202, 0.1891, 0.0815



0.1607, 0.2197, 0.0984

Previews

White Background



This preview shows how the Yxy color 40.2422, 0.3541, 0.5031 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 40.2422, 0.3541, 0.5031 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 40.2422, 0.3541, 0.5031

Background



This preview shows how black text looks on a background with the Yxy color 40.2422, 0.3541, 0.5031.



This preview shows how white text looks on a background with the Yxy color 40.2422, 0.3541, 0.5031.

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

40.2422, 0.3541, 0.5031

Protanopia

39.9161, 0.4189, 0.4615

Deuteranopia

39.6724, 0.4404, 0.4311



Tritanopia

40.0543, 0.2831, 0.3092

Trichromacy



Original Color

40.2422, 0.3541, 0.5031

Protanomaly

39.4538, 0.3943, 0.4774

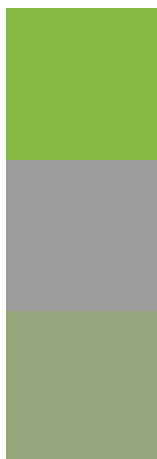
Deuteranomaly

39.2589, 0.4081, 0.4576

Tritanomaly

39.4472, 0.3120, 0.3804

Monochromacy



Original Color

40.2422, 0.3541, 0.5031

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.3634, 0.3328, 0.3975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2422, 0.3541, 0.5031 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(135, 185, 66)` looks like.

```
.text, #text, p{  
    color:rgb(135, 185, 66)  
}
```

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(135, 185, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 185, 66) }
```

Border

The CSS property to change the border of an element to Yxy 40.2422, 0.3541, 0.5031 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(135, 185, 66) }
```

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

```
.border{ border-color:rgb(135, 185, 66) }
```

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

Here you see how a box with a 4 pixel rgb(135, 185, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 185, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 185, 66);  
box-shadow:4px 4px 4px 4px rgb(135, 185,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2422, 0.3541, 0.5031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 185, 66) }
```

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

```
.background{ background-color: rgb(135,  
185, 66) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor