

Converting Colors

$Yxy(40.4701, 0.3446, 0.5646)$

Have a look what the booklet for
Yxy(40.4701, 0.3446, 0.5646)
contains.

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Color

Yxy(40.3874, 0.3450, 0.5643)

Conversions

Conversions Part 1

Format	Color
Hex	6BBF00
RGB	107, 191, 0
RGB Percent	42%, 75%, 0%
CMY	0.5805, 0.2510, 1.0000
CMYK	0.44, 0.00, 1.00, 0.25
HSL	86°, 100%, 37%
HSV	86°, 100%, 75%
XYZ	24.6919, 40.3874, 6.4915
YIQ	144.1100, 11.2470, -77.2090

Conversions

Conversions Part 2

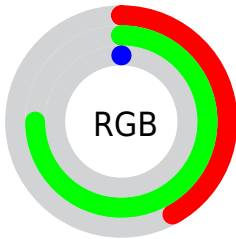
Format	Color
RYB	0, 191, 84
Decimal	7061248
CIELab	69.74, -50.55, 69.70
CIELCh	70, 86.105, 125.950
Yxy	40.3874, 0.3450, 0.5643
Android (android.graphics.Color)	4285251328 (0xFF6BBF00)
YUV	144.1100, -71.0462, -32.5455
Hunter-Lab	63.5511, -41.8606, 38.4295

Details

The Yxy color **40.3874, 0.3450, 0.5643** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **5.6481, 0.1910, 0.0826**, and the grayscale version is **28.2243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6986, 0.3470, 0.5201**, and **18.4268, 0.3176, 0.5861** is the 20% darker color. If you saturate the color by 10%, you get **40.3893, 0.3450, 0.5643**, and if you desaturate by 10%, it is **40.9830, 0.3495, 0.5537**.

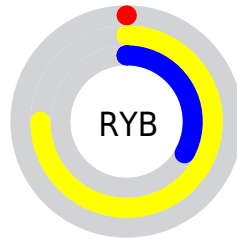
Distribution



Red (42%)

Green (75%)

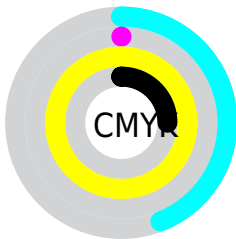
Blue (0%)



Red (0%)

Yellow (75%)

Blue (33%)

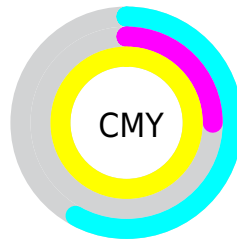


Cyan (44%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (58%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.3874, 0.3450, 0.5643 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 40.3874, 0.3450, 0.5643 by changing the saturation by 10% instead.


 40.3874, 0.3450,
0.5643


 40.3874, 0.3450,
0.5643

347.7537, 0.3404,
0.4406

 27.8407, 0.3407,
0.5938


 75.7531, 0.3471,
0.5196


 18.2056, 0.3317,
0.6292


 99.3409, 0.3467,
0.5026

 11.0977, 0.3188,
0.6812


 127.3778, 0.3459,
0.4881

 6.1326, 0.2810,
0.7190

 160.2483, 0.3449,
0.4758

 2.9259, 0.2238,
0.7762

 198.3367, 0.3437,
0.4652

 1.0932, 0.0000,
1.0000

 242.0275, 0.3426,

 0.0000, 0.0000,

0.4559

0.0000

291.7051, 0.3415,
0.4478

■ 40.3874, 0.3450,
0.5643

■ 40.3874, 0.3450,
0.5643

■ 40.3893, 0.3450,
0.5643

■ 40.9830, 0.3495,
0.5537

■ 41.6751, 0.3523,
0.5384

■ 42.4839, 0.3528,
0.5181

■ 43.4191, 0.3509,
0.4937

■ 44.4892, 0.3471,
0.4664

■ 45.7015, 0.3417,
0.4376

■ 47.0631, 0.3352,
0.4087

■ 48.5802, 0.3279,
0.3805

■ 50.2587, 0.3203,
0.3538

Harmonies

Analogous

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



40.3874, 0.4496, 0.5091



40.3874, 0.3450, 0.5643



40.3874, 0.2382, 0.5137

Triad

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



40.3874, 0.3450, 0.5643



40.3874, 0.1254, 0.1780



40.3874, 0.4827, 0.2718

Complementary

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



40.3874, 0.3450, 0.5643



5.6481, 0.1910, 0.0826

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.



40.3874, 0.3563, 0.2102



40.3874, 0.3450, 0.5643



40.3874, 0.1618, 0.1585

Square

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



40.3874, 0.3450, 0.5643



40.3874, 0.1227, 0.2416



40.3874, 0.2380, 0.1705



40.3874, 0.5492, 0.3441

Rectangle

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



40.3874, 0.3450, 0.5643



40.3874, 0.1799, 0.4184



40.3874, 0.2380, 0.1705



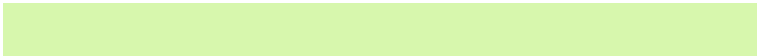
40.3874, 0.4439, 0.2495

Sweetspot

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



40.3893, 0.3450, 0.5643



84.1611, 0.3355, 0.4100



17.2287, 0.5605, 0.3931



18.2463, 0.3384, 0.4224



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



40.3893, 0.3450, 0.5643



72.1848, 0.3440, 0.5651



37.3484, 0.3014, 0.5989



10.9060, 0.3198, 0.3521



26.5894, 0.3459, 0.5635



1.0797, 0.3632, 0.5498

Inverse Universe

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



5.6481, 0.1910, 0.0826



9.9765, 0.1894, 0.0817



13.2593, 0.3042, 0.1450



9.4252, 0.3051, 0.3058



3.7576, 0.1924, 0.0833



0.1859, 0.2203, 0.0987

Previews

White Background



This preview shows how the Yxy color 40.3874, 0.3450, 0.5643 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 40.3874, 0.3450, 0.5643 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 40.3874, 0.3450, 0.5643

Background



This preview shows how black text looks on a background with the Yxy color 40.3874, 0.3450, 0.5643.



This preview shows how white text looks on a background with the Yxy color 40.3874, 0.3450, 0.5643.

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

40.3874, 0.3450, 0.5643

Protanopia

39.8258, 0.4401, 0.4888

Deuteranopia

39.7758, 0.4623, 0.4536



Tritanopia

40.3924, 0.2647, 0.3086

Trichromacy



Original Color

40.3874, 0.3450, 0.5643

Protanomaly

39.3144, 0.4017, 0.5192

Deuteranomaly

38.5697, 0.4175, 0.4974

Tritanomaly

39.4097, 0.3081, 0.4265

Monochromacy



Original Color

40.3874, 0.3450, 0.5643

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

31.0877, 0.3435, 0.4442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3874, 0.3450, 0.5643 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(107, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(107, 191, 0)  
}
```

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(107, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 40.3874, 0.3450, 0.5643 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(107, 191, 0) }
```

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

```
.border{ border-color:rgb(107, 191, 0) }
```

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

Here you see how a box with a 4 pixel rgb(107, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(107, 191,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3874, 0.3450, 0.5643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 191, 0) }
```

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

```
.background{ background-color: rgb(107,  
191, 0) }
```

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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