

Converting Colors

$Y_{xy}(40.0513, 0.3815, 0.5352)$

Have a look what the booklet for
Yxy(40.0513, 0.3815, 0.5352)
contains.

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Color

Yxy(40.2103, 0.3814, 0.5354)

Conversions

Conversions Part 1

Format	Color
Hex	90B800
RGB	144, 184, 0
RGB Percent	56%, 72%, 0%
CMY	0.4352, 0.2784, 1.0000
CMYK	0.22, 0.00, 1.00, 0.28
HSL	73°, 100%, 36%
HSV	73°, 100%, 72%
XYZ	28.6444, 40.2103, 6.2486
YIQ	151.0640, 35.2240, -65.7040

Conversions

Conversions Part 2

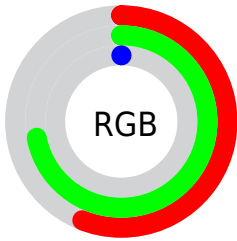
Format	Color
RYB	0, 184, 40
Decimal	9484288
CIELab	69.62, -33.82, 70.47
CIELCh	70, 78.170, 115.637
Yxy	40.2103, 0.3814, 0.5354
Android (android.graphics.Color)	4287674368 (0xFF90B800)
YUV	151.0640, -74.4746, -6.1951
Hunter-Lab	63.4116, -30.3380, 38.5457

Details

The Yxy color **40.2103, 0.3814, 0.5354** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **3.9114, 0.1614, 0.0663**, and the grayscale version is **31.2930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4412, 0.3762, 0.4985**, and **18.3073, 0.3641, 0.5491** is the 20% darker color. If you saturate the color by 10%, you get **40.2123, 0.3814, 0.5354**, and if you desaturate by 10%, it is **40.6238, 0.3829, 0.5278**.

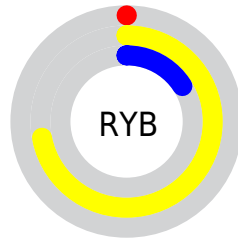
Distribution



Red (56%)

Green (72%)

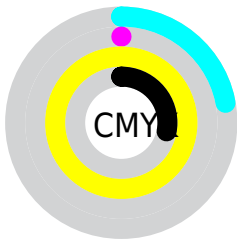
Blue (0%)



Red (0%)

Yellow (72%)

Blue (16%)

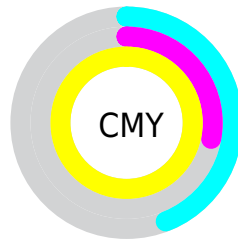


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (44%)


Magenta (28%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2103, 0.3814, 0.5354 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 40.2103, 0.3814, 0.5354 by changing the saturation by 10% instead.


 40.2103, 0.3814,
0.5354


 40.2103, 0.3814,
0.5354


347.0092, 0.3571,
0.4309

 27.7026, 0.3823,
0.5587


 75.4836, 0.3761,
0.4988


 18.1016, 0.3800,
0.5858


 99.0180, 0.3730,
0.4845


 11.0229, 0.3759,
0.6241


 126.9967, 0.3699,
0.4722

 6.0823, 0.3505,
0.6495

 159.8042, 0.3670,
0.4617

 2.8952, 0.3106,
0.6894

 197.8248, 0.3642,
0.4525

 1.0772, 0.1476,
0.8524

 241.4428, 0.3617,

 0.0000, 0.0000,

0.4444

0.0000

291.0428, 0.3593,
0.4373

■ 40.2103, 0.3814,
0.5354

■ 40.2103, 0.3814,
0.5354

■ 40.2123, 0.3814,
0.5354

■ 40.6238, 0.3829,
0.5278

■ 41.0905, 0.3823,
0.5164

■ 41.6283, 0.3792,
0.5004

■ 42.2451, 0.3737,
0.4804

■ 42.9475, 0.3660,
0.4572

■ 43.7414, 0.3567,
0.4319

■ 44.6322, 0.3463,
0.4056

■ 45.6246, 0.3352,
0.3792

■ 46.7233, 0.3239,
0.3535

Harmonies

Analogous

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



40.2103, 0.4722, 0.4736



40.2103, 0.3814, 0.5354



40.2103, 0.2797, 0.5238

Triad

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



40.2103, 0.3814, 0.5354



40.2103, 0.1329, 0.2049



40.2103, 0.4314, 0.2555

Complementary

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



40.2103, 0.3814, 0.5354



3.9114, 0.1614, 0.0663

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.



40.2103, 0.3128, 0.2029



40.2103, 0.3814, 0.5354



40.2103, 0.1564, 0.1727

Square

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



40.2103, 0.3814, 0.5354



40.2103, 0.1428, 0.2837



40.2103, 0.2151, 0.1740



40.2103, 0.5172, 0.3221

Rectangle

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



40.2103, 0.3814, 0.5354



40.2103, 0.2178, 0.4564



40.2103, 0.2151, 0.1740



40.2103, 0.3924, 0.2358

Sweetspot

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



40.2123, 0.3814, 0.5354



80.8224, 0.3468, 0.4069



11.6990, 0.6145, 0.3503



17.2741, 0.3513, 0.4180



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.



40.2123, 0.3814, 0.5354



72.7866, 0.3808, 0.5359



35.0148, 0.3127, 0.5899



10.4023, 0.3231, 0.3518



27.7457, 0.3819, 0.5350



1.0029, 0.3921, 0.5269

Inverse Universe

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



3.9114, 0.1614, 0.0663



7.0057, 0.1602, 0.0656



8.3555, 0.2503, 0.1152



8.8110, 0.3017, 0.3056



2.7217, 0.1623, 0.0668



0.1234, 0.1884, 0.0812

Previews

White Background



This preview shows how the Yxy color 40.2103, 0.3814, 0.5354 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 40.2103, 0.3814, 0.5354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

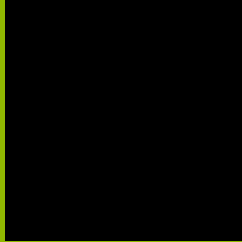
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2103, 0.3814, 0.5354

Background



This preview shows how black text looks on a background with the Yxy color 40.2103, 0.3814, 0.5354.



This preview shows how white text looks on a background with the Yxy color 40.2103, 0.3814, 0.5354.

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

40.2103, 0.3814, 0.5354

Protanopia

39.8258, 0.4401, 0.4888

Deuteranopia

39.8957, 0.4650, 0.4552



Tritanopia

40.1022, 0.2919, 0.3095

Trichromacy



Original Color

40.2103, 0.3814, 0.5354

Protanomaly

39.6586, 0.4183, 0.5060

Deuteranomaly

39.2489, 0.4360, 0.4847

Tritanomaly

39.2287, 0.3404, 0.4157

Monochromacy



Original Color

40.2103, 0.3814, 0.5354

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

33.3348, 0.3570, 0.4340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2103, 0.3814, 0.5354 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(144, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(144, 184, 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(144, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 184, 0) }
```

Border

The CSS property to change the border of an element to Yxy 40.2103, 0.3814, 0.5354 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(144, 184, 0) }
```

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

```
.border{ border-color:rgb(144, 184, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 184, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(144, 184,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2103, 0.3814, 0.5354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 184, 0) }
```

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

```
.background{ background-color: rgb(144,  
184, 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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