

Converting Colors

$Y_{xy}(40.2881, 0.3703, 0.5088)$

Have a look what the booklet for
Yxy(40.2881, 0.3703, 0.5088)
contains.

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Color

Yxy(40.1438, 0.3704, 0.5083)

Conversions

Conversions Part 1

Format	Color
Hex	91B735
RGB	145, 183, 53
RGB Percent	57%, 72%, 21%
CMY	0.4314, 0.2823, 0.7920
CMYK	0.21, 0.00, 0.71, 0.28
HSL	78°, 55%, 46%
HSV	78°, 71%, 72%
XYZ	29.2529, 40.1438, 9.5799
YIQ	156.8180, 19.0820, -48.4860

Conversions

Conversions Part 2

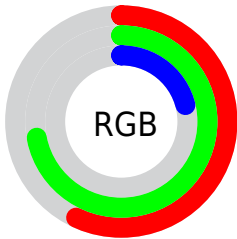
Format	Color
RYB	53, 183, 91
Decimal	9549621
CIELab	69.57, -31.26, 58.58
CIElCh	70, 66.403, 118.085
Yxy	40.1438, 0.3704, 0.5083
Android (android.graphics.Color)	4287739701 (0xFF91B735)
YUV	156.8180, -51.1823, -10.3644
Hunter-Lab	63.3591, -28.4650, 35.3868

Details

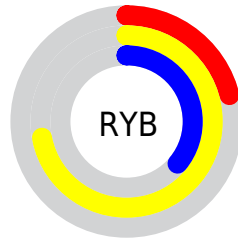
The Yxy color **40.1438, 0.3704, 0.5083** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **8.1966, 0.2081, 0.1206**, and the grayscale version is **33.8612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3723, 0.3644, 0.4741**, and **18.1389, 0.3675, 0.5464** is the 20% darker color. If you saturate the color by 10%, you get **39.5331, 0.3720, 0.5254**, and if you desaturate by 10%, it is **40.8453, 0.3664, 0.4871**.

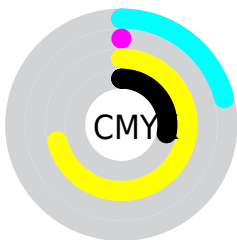
Distribution



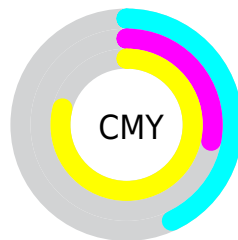
- Red (57%)
- Green (72%)
- Blue (21%)



- Red (21%)
- Yellow (72%)
- Blue (36%)



- Cyan (21%)
- Magenta (0%)
- Yellow (71%)
- Black (28%)




- Cyan (43%)
- Magenta (28%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.1438, 0.3704, 0.5083 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 40.1438, 0.3704, 0.5083 by changing the saturation by 10% instead.


 40.1438, 0.3704,
0.5083


 40.1438, 0.3704,
0.5083


346.7293, 0.3477,
0.4152


 27.6507, 0.3728,
0.5309


 75.3824, 0.3643,
0.4745

 18.0625, 0.3735,
0.5585


 98.8967, 0.3613,
0.4618

 10.9949, 0.3706,
0.5931


 126.8536, 0.3585,
0.4509

 6.0634, 0.3610,
0.6390

 159.6373, 0.3560,
0.4417

 2.8837, 0.3241,
0.6759

 197.6324, 0.3536,
0.4337

 1.0713, 0.1855,
0.8145

 241.2231, 0.3515,

 0.0000, 0.0000,

0.4267

0.0000

290.7940, 0.3495,
0.4206

■ 40.1438, 0.3704,
0.5083

■ 40.1438, 0.3704,
0.5083

■ 39.5331, 0.3720,
0.5254

■ 40.8453, 0.3664,
0.4871

■ 38.9998, 0.3710,
0.5377

■ 41.6391, 0.3603,
0.4628

■ 38.5736, 0.3686,
0.5456

■ 42.5330, 0.3524,
0.4365

■ 43.5326, 0.3434,
0.4093

■ 44.6427, 0.3337,
0.3823

■ 45.8680, 0.3237,
0.3561

■ 47.2129, 0.3137,
0.3314

■ 48.6815, 0.3040,
0.3084

■ 50.2776, 0.2948,
0.2873

Harmonies

Analogous

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



40.1438, 0.4503, 0.4653



40.1438, 0.3704, 0.5083



40.1438, 0.2806, 0.4855

Triad

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



40.1438, 0.3704, 0.5083



40.1438, 0.1538, 0.2184



40.1438, 0.4220, 0.2703

Complementary

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



40.1438, 0.3704, 0.5083



8.1966, 0.2081, 0.1206

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.



40.1438, 0.3220, 0.2211



40.1438, 0.3704, 0.5083



40.1438, 0.1777, 0.1904

Square

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



40.1438, 0.3704, 0.5083



40.1438, 0.1615, 0.2854



40.1438, 0.2341, 0.1930



40.1438, 0.4911, 0.3320

Rectangle

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



40.1438, 0.3704, 0.5083



40.1438, 0.2267, 0.4266



40.1438, 0.2341, 0.1930



40.1438, 0.3897, 0.2520

Sweetspot

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



40.1456, 0.3704, 0.5083



79.8799, 0.3340, 0.3832



17.6154, 0.5073, 0.3752



17.5182, 0.3367, 0.3905



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.



40.1456, 0.3704, 0.5083



70.2673, 0.3718, 0.5326



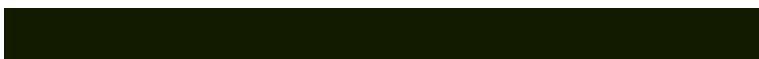
35.8849, 0.3177, 0.5432



10.3679, 0.3220, 0.3519



26.9445, 0.3692, 0.5451



0.9800, 0.3827, 0.5344

Inverse Universe

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



8.1966, 0.2081, 0.1206



9.7672, 0.1849, 0.0877



12.9230, 0.2832, 0.1570



8.8433, 0.3029, 0.3057



2.9543, 0.1704, 0.0712



0.1370, 0.2004, 0.0877

Previews

White Background



This preview shows how the Yxy color 40.1438, 0.3704, 0.5083 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 40.1438, 0.3704, 0.5083 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 40.1438, 0.3704, 0.5083

Background



This preview shows how black text looks on a background with the Yxy color 40.1438, 0.3704, 0.5083.



This preview shows how white text looks on a background with the Yxy color 40.1438, 0.3704, 0.5083.

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

40.1438, 0.3704, 0.5083

Protanopia

39.9269, 0.4261, 0.4701

Deuteranopia

39.6755, 0.4491, 0.4405



Tritanopia

40.0601, 0.2926, 0.3109

Trichromacy



Original Color

40.1438, 0.3704, 0.5083

Protanomaly

39.8976, 0.4054, 0.4845

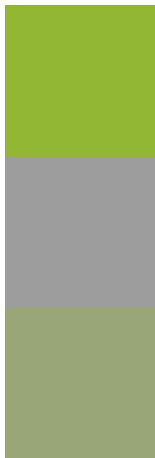
Deuteranomaly

39.2462, 0.4200, 0.4650

Tritanomaly

39.4061, 0.3269, 0.3869

Monochromacy



Original Color

40.1438, 0.3704, 0.5083

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.3767, 0.3414, 0.4012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1438, 0.3704, 0.5083 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(145, 183, 53)` looks like.

```
.text, #text, p{  
    color:rgb(145, 183, 53)  
}
```

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(145, 183, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 183, 53) }
```

Border

The CSS property to change the border of an element to Yxy 40.1438, 0.3704, 0.5083 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(145, 183, 53) }
```

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

```
.border{ border-color:rgb(145, 183, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 183, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 183, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 183, 53);  
box-shadow:4px 4px 4px 4px rgb(145, 183,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1438, 0.3704, 0.5083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 183, 53) }
```

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

```
.background{ background-color: rgb(145,  
183, 53) }
```

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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