

Converting Colors

$Y_{xy}(41.2910, 0.3736, 0.5254)$

Have a look what the booklet for
Yxy(41.2910, 0.3736, 0.5254)
contains.

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Color

Yxy(41.1626, 0.3742, 0.5249)

Conversions

Conversions Part 1

Format	Color
Hex	90BA22
RGB	144, 186, 34
RGB Percent	56%, 73%, 13%
CMY	0.4354, 0.2705, 0.8666
CMYK	0.23, 0.00, 0.82, 0.27
HSL	77°, 69%, 43%
HSV	77°, 82%, 73%
XYZ	29.3447, 41.1626, 7.9126
YIQ	156.1140, 23.7600, -56.1760

Conversions

Conversions Part 2

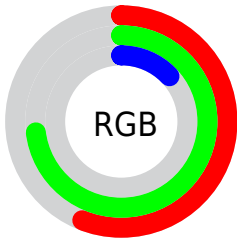
Format	Color
RYB	34, 186, 76
Decimal	9484834
CIELab	70.29, -34.00, 65.31
CIElCh	70, 73.635, 117.502
Yxy	41.1626, 0.3742, 0.5249
Android (android.graphics.Color)	4287674914 (0xFF90BA22)
YUV	156.1140, -60.2022, -10.6240
Hunter-Lab	64.1581, -30.6340, 37.5985

Details

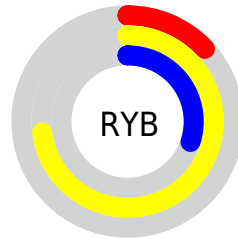
The Yxy color **41.1626, 0.3742, 0.5249** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **6.2298, 0.1892, 0.0949**, and the grayscale version is **33.5642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7299, 0.3687, 0.4889**, and **18.8498, 0.3624, 0.5504** is the 20% darker color. If you saturate the color by 10%, you get **40.6318, 0.3733, 0.5366**, and if you desaturate by 10%, it is **41.7762, 0.3726, 0.5085**.

Distribution



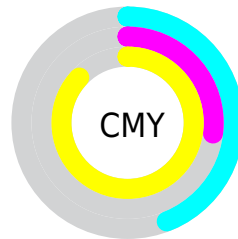
- Red (56%)
- Green (73%)
- Blue (13%)



- Red (13%)
- Yellow (73%)
- Blue (30%)



- Cyan (23%)
- Magenta (0%)
- Yellow (82%)
- Black (27%)





- Cyan (44%)
- Magenta (27%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1626, 0.3742, 0.5249 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 41.1626, 0.3742, 0.5249 by changing the saturation by 10% instead.


 41.1626, 0.3742,
0.5249


 41.1626, 0.3742,
0.5249


350.9997, 0.3517,
0.4246


 28.4462, 0.3756,
0.5482

 76.9307, 0.3689,
0.4891


 18.6623, 0.3745,
0.5762


 100.7511, 0.3660,
0.4754


 11.4265, 0.3708,
0.6136


 129.0416, 0.3632,
0.4637

 6.3545, 0.3518,
0.6482

 162.1866, 0.3605,
0.4536

 3.0618, 0.3130,
0.6870

 200.5706, 0.3580,
0.4449

 1.1641, 0.1783,
0.8217

 244.5778, 0.3558,

 0.0321, 0.0000,

0.4372

1.0000

294.5927, 0.3537,
0.4305

■ 0.0000, 0.0000,
0.0000

■ 41.1626, 0.3742,
0.5249

■ 41.1626, 0.3742,
0.5249

■ 40.6318, 0.3733,
0.5366

■ 41.7762, 0.3726,
0.5085

■ 40.2368, 0.3712,
0.5435

■ 42.4757, 0.3685,
0.4879

■ 43.2700, 0.3622,
0.4640

■ 44.1654, 0.3542,
0.4380

■ 45.1676, 0.3450,
0.4111

■ 46.2817, 0.3350,
0.3841

■ 47.5127, 0.3247,
0.3579

■ 48.8650, 0.3144,
0.3331

■ 50.3427, 0.3045,
0.3099

Harmonies

Analogous

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



41.1626, 0.4609, 0.4726



41.1626, 0.3742, 0.5249



41.1626, 0.2775, 0.5050

Triad

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



41.1626, 0.3742, 0.5249



41.1626, 0.1419, 0.2092



41.1626, 0.4305, 0.2636

Complementary

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



41.1626, 0.3742, 0.5249



6.2298, 0.1892, 0.0949

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.



41.1626, 0.3201, 0.2119



41.1626, 0.3742, 0.5249



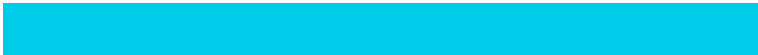
41.1626, 0.1665, 0.1798

Square

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



41.1626, 0.3742, 0.5249



41.1626, 0.1499, 0.2816



41.1626, 0.2255, 0.1825



41.1626, 0.5073, 0.3285

Rectangle

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



41.1626, 0.3742, 0.5249



41.1626, 0.2194, 0.4397



41.1626, 0.2255, 0.1825



41.1626, 0.3946, 0.2443

Sweetspot

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



41.1644, 0.3742, 0.5249



83.1051, 0.3387, 0.3940



15.5273, 0.5502, 0.3710



18.1449, 0.3423, 0.4036



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.



41.1644, 0.3742, 0.5249



72.9610, 0.3711, 0.5427



36.5213, 0.3161, 0.5675



10.3751, 0.3222, 0.3519



27.1051, 0.3718, 0.5430



0.9847, 0.3846, 0.5328

Inverse Universe

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



6.2298, 0.1892, 0.0949



7.8525, 0.1679, 0.0706



11.2266, 0.2737, 0.1389



8.8365, 0.3026, 0.3057



2.8993, 0.1685, 0.0702



0.1342, 0.1979, 0.0864

Previews

White Background



This preview shows how the Yxy color 41.1626, 0.3742, 0.5249 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 41.1626, 0.3742, 0.5249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

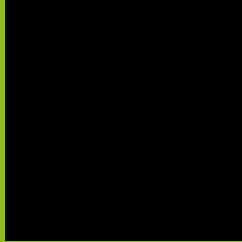
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.1626, 0.3742, 0.5249

Background



This preview shows how black text looks on a background with the Yxy color 41.1626, 0.3742, 0.5249.



This preview shows how white text looks on a background with the Yxy color 41.1626, 0.3742, 0.5249.

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

41.1626, 0.3742, 0.5249

Protanopia

40.9362, 0.4346, 0.4811

Deuteranopia

40.8467, 0.4582, 0.4496



Tritanopia

40.9486, 0.2904, 0.3096

Trichromacy



Original Color

41.1626, 0.3742, 0.5249

Protanomaly

40.6572, 0.4120, 0.4978

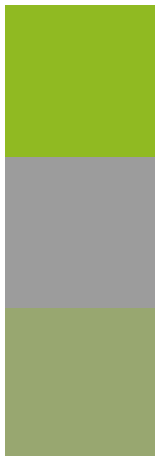
Deuteranomaly

40.1118, 0.4276, 0.4769

Tritanomaly

40.3495, 0.3295, 0.3987

Monochromacy



Original Color

41.1626, 0.3742, 0.5249

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.4827, 0.3461, 0.4136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1626, 0.3742, 0.5249 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, 186, 34)` looks like.

```
.text, #text, p{  
    color:rgb(144, 186, 34)  
}
```

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, 186, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 186, 34) }
```

Border

The CSS property to change the border of an element to Yxy 41.1626, 0.3742, 0.5249 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, 186, 34) }
```

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

```
.border{ border-color:rgb(144, 186, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 186, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 186, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 186, 34);  
box-shadow:4px 4px 4px 4px rgb(144, 186,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1626, 0.3742, 0.5249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 186, 34) }
```

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

```
.background{ background-color: rgb(144,  
186, 34) }
```

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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