

Converting Colors

$Y_{xy}(41.1849, 0.3715, 0.5193)$

Have a look what the booklet for
Yxy(41.1849, 0.3715, 0.5193)
contains.

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Color

Yxy(41.2215, 0.3715, 0.5191)

Conversions

Conversions Part 1

Format	Color
Hex	90BA2B
RGB	144, 186, 43
RGB Percent	56%, 73%, 17%
CMY	0.4352, 0.2706, 0.8313
CMYK	0.23, 0.00, 0.77, 0.27
HSL	78°, 62%, 45%
HSV	78°, 77%, 73%
XYZ	29.5006, 41.2215, 8.6874
YIQ	157.1400, 20.8710, -53.3770

Conversions

Conversions Part 2

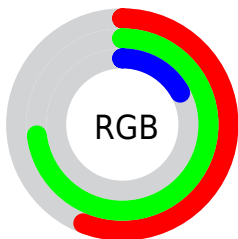
Format	Color
RYB	43, 186, 85
Decimal	9484843
CIELab	70.33, -33.58, 62.75
CIELCh	70, 71.167, 118.157
Yxy	41.2215, 0.3715, 0.5191
Android (android.graphics.Color)	4287674923 (0xFF90BA2B)
YUV	157.1400, -56.2710, -11.5238
Hunter-Lab	64.2040, -30.3392, 36.9203

Details

The Yxy color **41.2215, 0.3715, 0.5191** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **7.2035, 0.1987, 0.1062**, and the grayscale version is **34.0384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8419, 0.3661, 0.4839**, and **18.8989, 0.3636, 0.5495** is the 20% darker color. If you saturate the color by 10%, you get **40.6366, 0.3715, 0.5334**, and if you desaturate by 10%, it is **41.8960, 0.3689, 0.5002**.

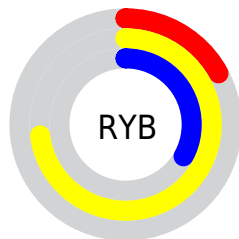
Distribution



Red (56%)

Green (73%)

Blue (17%)



Red (17%)

Yellow (73%)

Blue (33%)

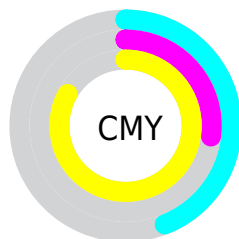


Cyan (23%)

Magenta (0%)

Yellow (77%)

Black (27%)



Cyan (44%)


Magenta (27%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2215, 0.3715, 0.5191 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 41.2215, 0.3715, 0.5191 by changing the saturation by 10% instead.


 41.2215, 0.3715,
0.5191


 41.2215, 0.3715,
0.5191


351.2455, 0.3496,
0.4212


 28.4922, 0.3731,
0.5423


 77.0200, 0.3661,
0.4840


 18.6970, 0.3726,
0.5703


 100.8580, 0.3632,
0.4705


 11.4516, 0.3687,
0.6062


 129.1677, 0.3605,
0.4591


 6.3714, 0.3536,
0.6464

 162.3335, 0.3580,
0.4493

 3.0722, 0.3154,
0.6846

 200.7398, 0.3556,
0.4409

 1.1696, 0.1860,
0.8140

 244.7710, 0.3534,

 0.0366, 0.0000,

0.4335

1.0000

294.8114, 0.3514,
0.4270

■ 0.0000, 0.0000,
0.0000

■ 41.2215, 0.3715,
0.5191

■ 41.2215, 0.3715,
0.5191

■ 40.6366, 0.3715,
0.5334

■ 41.8960, 0.3689,
0.5002

■ 40.1253, 0.3693,
0.5431

■ 42.6625, 0.3640,
0.4776

■ 39.9747, 0.3684,
0.5457

■ 43.5296, 0.3572,
0.4522

■ 44.5033, 0.3488,
0.4254

■ 45.5891, 0.3395,
0.3981

■ 46.7920, 0.3296,
0.3714

■ 48.1167, 0.3195,
0.3457

■ 49.5676, 0.3097,
0.3217

■ 51.1488, 0.3001,
0.2994

Harmonies

Analogous

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



41.2215, 0.4560, 0.4710



41.2215, 0.3715, 0.5191



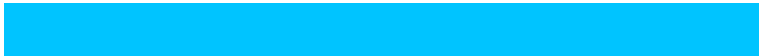
41.2215, 0.2773, 0.4966

Triad

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



41.2215, 0.3715, 0.5191



41.2215, 0.1464, 0.2119



41.2215, 0.4288, 0.2669

Complementary

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



41.2215, 0.3715, 0.5191



7.2035, 0.1987, 0.1062

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.



41.2215, 0.3224, 0.2159



41.2215, 0.3715, 0.5191



41.2215, 0.1713, 0.1836

Square

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



41.2215, 0.3715, 0.5191



41.2215, 0.1538, 0.2816



41.2215, 0.2298, 0.1866



41.2215, 0.5019, 0.3308

Rectangle

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



41.2215, 0.3715, 0.5191



41.2215, 0.2210, 0.4331



41.2215, 0.2298, 0.1866



41.2215, 0.3944, 0.2480

Sweetspot

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



41.2233, 0.3715, 0.5191



83.3732, 0.3360, 0.3887



16.8799, 0.5294, 0.3752



18.1914, 0.3396, 0.3985



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.



41.2233, 0.3715, 0.5191



73.0297, 0.3702, 0.5403



36.7467, 0.3162, 0.5581



10.3674, 0.3220, 0.3519



26.9346, 0.3690, 0.5452



0.9797, 0.3825, 0.5345

Inverse Universe

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



7.2035, 0.1987, 0.1062



8.8261, 0.1762, 0.0776



12.2436, 0.2798, 0.1474



8.8438, 0.3029, 0.3057



2.9579, 0.1705, 0.0713



0.1372, 0.2005, 0.0878

Previews

White Background



This preview shows how the Yxy color 41.2215, 0.3715, 0.5191 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 41.2215, 0.3715, 0.5191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

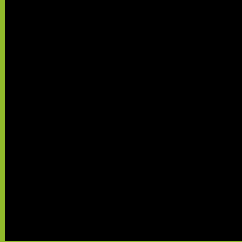
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.2215, 0.3715, 0.5191

Background



This preview shows how black text looks on a background with the Yxy color 41.2215, 0.3715, 0.5191.



This preview shows how white text looks on a background with the Yxy color 41.2215, 0.3715, 0.5191.

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

41.2215, 0.3715, 0.5191

Protanopia

40.9890, 0.4316, 0.4768

Deuteranopia

40.9078, 0.4548, 0.4452



Tritanopia

40.9486, 0.2904, 0.3096

Trichromacy



Original Color

41.2215, 0.3715, 0.5191

Protanomaly

40.7114, 0.4091, 0.4930

Deuteranomaly

40.1749, 0.4242, 0.4717

Tritanomaly

40.4601, 0.3263, 0.3927

Monochromacy



Original Color

41.2215, 0.3715, 0.5191

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.9416, 0.3424, 0.4088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2215, 0.3715, 0.5191 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, 43)` looks like.

```
.text, #text, p{  
    color:rgb(144, 186, 43)  
}
```

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, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 186, 43) }
```

Border

The CSS property to change the border of an element to Yxy 41.2215, 0.3715, 0.5191 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, 43) }
```

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

```
.border{ border-color:rgb(144, 186, 43) }
```

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, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 186, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 186, 43);  
box-shadow:4px 4px 4px 4px rgb(144, 186,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2215, 0.3715, 0.5191 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, 43) }
```

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

```
.background{ background-color: rgb(144,  
186, 43) }
```

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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