

Converting Colors

$Y_{xy}(42.9535, 0.3532, 0.5069)$

Have a look what the booklet for
Yxy(42.9535, 0.3532, 0.5069)
contains.

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Color

Yxy(42.9733, 0.3531, 0.5069)

Conversions

Conversions Part 1

Format	Color
Hex	89BF42
RGB	137, 191, 66
RGB Percent	54%, 75%, 26%
CMY	0.4626, 0.2510, 0.7412
CMYK	0.28, 0.00, 0.65, 0.25
HSL	86°, 49%, 50%
HSV	86°, 65%, 75%
XYZ	29.9346, 42.9733, 11.8687
YIQ	160.6040, 7.9410, -50.3230

Conversions

Conversions Part 2

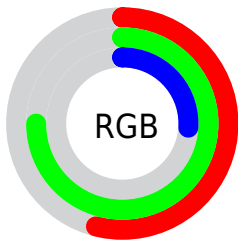
Format	Color
RYB	66, 191, 120
Decimal	9027394
CIELab	71.54, -37.13, 55.39
CIELCh	72, 66.681, 123.836
Yxy	42.9733, 0.3531, 0.5069
Android (android.graphics.Color)	4287217474 (0xFF89BF42)
YUV	160.6040, -46.6398, -20.7007
Hunter-Lab	65.5540, -33.2091, 35.1532

Details

The Yxy color **42.9733, 0.3531, 0.5069** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **11.6460, 0.2349, 0.1433**, and the grayscale version is **35.6684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8283, 0.3491, 0.4728**, and **19.6852, 0.3524, 0.5584** is the 20% darker color. If you saturate the color by 10%, you get **42.1157, 0.3538, 0.5291**, and if you desaturate by 10%, it is **43.9631, 0.3502, 0.4811**.

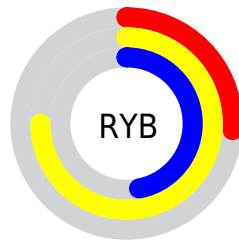
Distribution



Red (54%)

Green (75%)

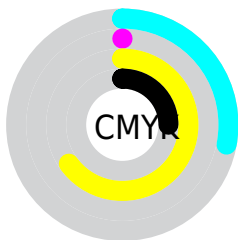
Blue (26%)



Red (26%)

Yellow (75%)

Blue (47%)

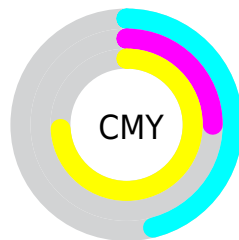


Cyan (28%)

Magenta (0%)

Yellow (65%)

Black (25%)



Cyan (46%)


Magenta (25%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9733, 0.3531, 0.5069 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 42.9733, 0.3531, 0.5069 by changing the saturation by 10% instead.


 42.9733, 0.3531,
0.5069


 42.9733, 0.3531,
0.5069


358.5020, 0.3387,
0.4137

 29.8642, 0.3539,
0.5301


 79.6706, 0.3498,
0.4727


 19.7355, 0.3530,
0.5592


 104.0275, 0.3479,
0.4599


 12.2029, 0.3482,
0.5959


 132.9025, 0.3461,
0.4491

 6.8820, 0.3429,
0.6571

 166.6799, 0.3444,
0.4399

 3.3884, 0.3030,
0.6970

 205.7442, 0.3428,
0.4320

 1.3377, 0.1869,
0.8131

250.4797, 0.3413,

 0.1701, 0.0000,

0.4251

1.0000

301.2708, 0.3400,
0.4191

■ 0.0000, 0.0000,
0.0000

■ 42.9733, 0.3531,
0.5069

■ 42.9733, 0.3531,
0.5069

■ 42.1157, 0.3538,
0.5291

■ 43.9631, 0.3502,
0.4811

■ 41.3757, 0.3522,
0.5466

■ 45.0874, 0.3455,
0.4531

■ 40.7442, 0.3483,
0.5588

■ 46.3552, 0.3394,
0.4243

■ 40.4834, 0.3462,
0.5633

■ 47.7729, 0.3323,
0.3956

■ 49.3467, 0.3247,
0.3681

■ 51.0822, 0.3169,
0.3423

■ 52.9847, 0.3092,
0.3184

■ 55.0594, 0.3018,
0.2966

■ 57.3110, 0.2947,
0.2769

Harmonies

Analogous

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



42.9733, 0.4352, 0.4745



42.9733, 0.3531, 0.5069



42.9733, 0.2652, 0.4685

Triad

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



42.9733, 0.3531, 0.5069



42.9733, 0.1582, 0.2123



42.9733, 0.4368, 0.2823

Complementary

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



42.9733, 0.3531, 0.5069



11.6460, 0.2349, 0.1433

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.



42.9733, 0.3410, 0.2307



42.9733, 0.3531, 0.5069



42.9733, 0.1878, 0.1908

Square

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



42.9733, 0.3531, 0.5069



42.9733, 0.1597, 0.2705



42.9733, 0.2499, 0.1984



42.9733, 0.4943, 0.3448

Rectangle

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



42.9733, 0.3531, 0.5069



42.9733, 0.2152, 0.4043



42.9733, 0.2499, 0.1984



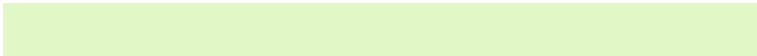
42.9733, 0.4069, 0.2634

Sweetspot

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



42.9752, 0.3531, 0.5069



86.9755, 0.3284, 0.3813



24.4439, 0.4690, 0.3959



18.9252, 0.3306, 0.3892



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.



42.9752, 0.3531, 0.5069



74.7697, 0.3533, 0.5381



39.2070, 0.3084, 0.5344



10.9099, 0.3200, 0.3521



26.6542, 0.3471, 0.5626



1.0820, 0.3642, 0.5490

Inverse Universe

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



11.6460, 0.2349, 0.1433



14.4468, 0.2137, 0.1092



17.4296, 0.3068, 0.1764



9.4213, 0.3050, 0.3058



3.7099, 0.1909, 0.0825



0.1840, 0.2190, 0.0980

Previews

White Background



This preview shows how the Yxy color 42.9733, 0.3531, 0.5069 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 42.9733, 0.3531, 0.5069 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 42.9733, 0.3531, 0.5069

Background



This preview shows how black text looks on a background with the Yxy color 42.9733, 0.3531, 0.5069.



This preview shows how white text looks on a background with the Yxy color 42.9733, 0.3531, 0.5069.

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

42.9733, 0.3531, 0.5069

Protanopia

42.6098, 0.4204, 0.4629

Deuteranopia

42.5186, 0.4419, 0.4321



Tritanopia

42.9605, 0.2817, 0.3097

Trichromacy



Original Color

42.9733, 0.3531, 0.5069

Protanomaly

42.4053, 0.3948, 0.4801

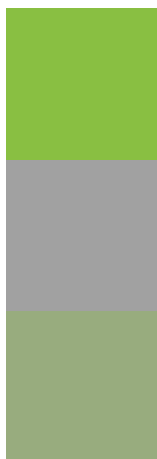
Deuteranomaly

41.8062, 0.4085, 0.4590

Tritanomaly

42.2695, 0.3111, 0.3821

Monochromacy



Original Color

42.9733, 0.3531, 0.5069

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.6868, 0.3330, 0.3988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9733, 0.3531, 0.5069 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(137, 191, 66)` looks like.

```
.text, #text, p{  
    color:rgb(137, 191, 66)  
}
```

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(137, 191, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 191, 66) }
```

Border

The CSS property to change the border of an element to Yxy 42.9733, 0.3531, 0.5069 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(137, 191, 66) }
```

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

```
.border{ border-color:rgb(137, 191, 66) }
```

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

Here you see how a box with a 4 pixel rgb(137, 191, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 191, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 191, 66);  
box-shadow:4px 4px 4px 4px rgb(137, 191,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9733, 0.3531, 0.5069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 191, 66) }
```

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

```
.background{ background-color: rgb(137,  
191, 66) }
```

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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