

Converting Colors

$Y_{xy}(44.1027, 0.3912, 0.5092)$

Have a look what the booklet for
Yxy(44.1027, 0.3912, 0.5092)
contains.

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Color

Yxy(44.1123, 0.3909, 0.5092)

Conversions

Conversions Part 1

Format	Color
Hex	A5BC27
RGB	165, 188, 39
RGB Percent	65%, 74%, 15%
CMY	0.3530, 0.2627, 0.8468
CMYK	0.12, 0.00, 0.79, 0.26
HSL	69°, 66%, 45%
HSV	69°, 79%, 74%
XYZ	33.8639, 44.1123, 8.6544
YIQ	164.1370, 34.1210, -51.2150

Conversions

Conversions Part 2

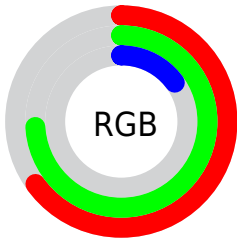
Format	Color
R_{YB}	39, 188, 62
Decimal	10861607
CIE _{Lab}	72.30, -26.16, 66.26
CIE _{LCh}	72, 71.232, 111.543
Yxy	44.1123, 0.3909, 0.5092
Android (android.graphics.Color)	4289051687 (0xFFA5BC27)
YUV	164.1370, -61.6925, 0.7569
Hunter-Lab	66.4171, -25.2186, 38.7663

Details

The Yxy color **44.1123, 0.3909, 0.5092** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **6.1140, 0.1786, 0.0926**, and the grayscale version is **37.4832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2712, 0.3821, 0.4779**, and **20.5792, 0.3865, 0.5313** is the 20% darker color. If you saturate the color by 10%, you get **43.7107, 0.3927, 0.5197**, and if you desaturate by 10%, it is **44.5868, 0.3865, 0.4943**.

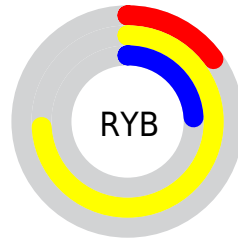
Distribution



Red (65%)

Green (74%)

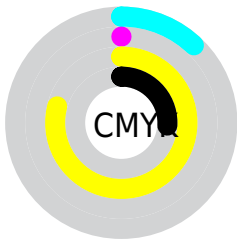
Blue (15%)



Red (15%)

Yellow (74%)

Blue (24%)

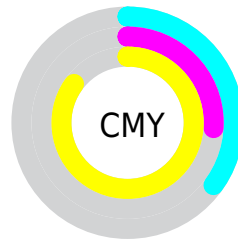


Cyan (12%)

Magenta (0%)

Yellow (79%)

Black (26%)



Cyan (35%)


Magenta (26%)


Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1123, 0.3909, 0.5092 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 44.1123, 0.3909, 0.5092 by changing the saturation by 10% instead.


 44.1123, 0.3909,
0.5092

 44.1123, 0.3909,
0.5092

363.1663, 0.3596,
0.4198


 30.7588, 0.3948,
0.5291


 81.3867, 0.3822,
0.4780

 20.4153, 0.3972,
0.5525


 106.0764, 0.3781,
0.4658


 12.6973, 0.3973,
0.5813


 135.3136, 0.3742,
0.4553

 7.2204, 0.3885,
0.6115

 169.4827, 0.3707,
0.4463

 3.6003, 0.3616,
0.6384

 208.9682, 0.3676,
0.4383

 1.4526, 0.3111,
0.6889

 254.1543, 0.3647,

 0.2550, 0.0000,

0.4314

1.0000

305.4256, 0.3620,
0.4252

■ 0.0000, 0.0000,
0.0000

■ 44.1123, 0.3909,
0.5092

■ 44.1123, 0.3909,
0.5092

■ 43.7107, 0.3927,
0.5197

■ 44.5868, 0.3865,
0.4943

■ 43.3613, 0.3923,
0.5263

■ 45.1362, 0.3797,
0.4753

■ 43.3349, 0.3923,
0.5267

■ 45.7694, 0.3708,
0.4530

■ 46.4925, 0.3602,
0.4286

■ 47.3110, 0.3486,
0.4029

■ 48.2298, 0.3363,
0.3769

■ 49.2535, 0.3239,
0.3515

■ 50.3866, 0.3118,
0.3272

■ 51.6331, 0.3001,
0.3043

Harmonies

Analogous

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



44.1123, 0.4687, 0.4546



44.1123, 0.3909, 0.5092



44.1123, 0.2986, 0.5053

Triad

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



44.1123, 0.3909, 0.5092



44.1123, 0.1479, 0.2256



44.1123, 0.4045, 0.2557

Complementary

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



44.1123, 0.3909, 0.5092



6.1140, 0.1786, 0.0926

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.



44.1123, 0.3000, 0.2094



44.1123, 0.3909, 0.5092



44.1123, 0.1655, 0.1893

Square

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



44.1123, 0.3909, 0.5092



44.1123, 0.1629, 0.3042



44.1123, 0.2157, 0.1859



44.1123, 0.4873, 0.3168

Rectangle

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



44.1123, 0.3909, 0.5092



44.1123, 0.2402, 0.4541



44.1123, 0.2157, 0.1859



44.1123, 0.3695, 0.2381

Sweetspot

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



44.1143, 0.3909, 0.5092



86.5152, 0.3427, 0.3903



14.2207, 0.5631, 0.3512



18.4798, 0.3470, 0.3996



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.



44.1143, 0.3909, 0.5092



78.7426, 0.3925, 0.5246



38.3516, 0.3280, 0.5545



11.0438, 0.3241, 0.3518



29.5276, 0.3926, 0.5265



1.1771, 0.3994, 0.5211

Inverse Universe

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



6.1140, 0.1786, 0.0926



7.4825, 0.1590, 0.0668



10.3108, 0.2531, 0.1309



9.2943, 0.3007, 0.3054



2.6718, 0.1571, 0.0639



0.1274, 0.1766, 0.0746

Previews

White Background



This preview shows how the Yxy color 44.1123, 0.3909, 0.5092 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 44.1123, 0.3909, 0.5092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

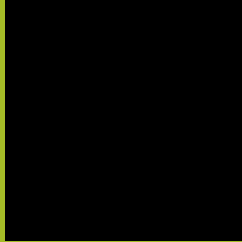
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.1123, 0.3909, 0.5092

Background



This preview shows how black text looks on a background with the Yxy color 44.1123, 0.3909, 0.5092.



This preview shows how white text looks on a background with the Yxy color 44.1123, 0.3909, 0.5092.

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

44.1123, 0.3909, 0.5092

Protanopia

43.7138, 0.4335, 0.4786

Deuteranopia

43.7566, 0.4586, 0.4491



Tritanopia

43.9178, 0.3049, 0.3107

Trichromacy



Original Color

44.1123, 0.3909, 0.5092

Protanomaly

43.7461, 0.4182, 0.4898

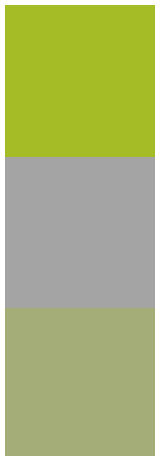
Deuteranomaly

43.2669, 0.4341, 0.4709

Tritanomaly

43.3624, 0.3451, 0.3929

Monochromacy



Original Color

44.1123, 0.3909, 0.5092

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

39.1116, 0.3501, 0.4077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1123, 0.3909, 0.5092 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(165, 188, 39)` looks like.

```
.text, #text, p{  
    color:rgb(165, 188, 39)  
}
```

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(165, 188, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 188, 39) }
```

Border

The CSS property to change the border of an element to Yxy 44.1123, 0.3909, 0.5092 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(165, 188, 39) }
```

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

```
.border{ border-color:rgb(165, 188, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 188, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 188, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 188, 39);  
box-shadow:4px 4px 4px 4px rgb(165, 188,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1123, 0.3909, 0.5092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 188, 39) }
```

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

```
.background{ background-color: rgb(165,  
188, 39) }
```

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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