

Converting Colors

$Y_{xy}(45.1329, 0.3888, 0.4944)$

Have a look what the booklet for
Yxy(45.1329, 0.3888, 0.4944)
contains.

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Color

Yxy(45.2366, 0.3882, 0.4945)

Conversions

Conversions Part 1

Format	Color
Hex	AABD39
RGB	170, 189, 57
RGB Percent	67%, 74%, 22%
CMY	0.3334, 0.2588, 0.7765
CMYK	0.10, 0.00, 0.70, 0.26
HSL	69°, 54%, 48%
HSV	69°, 70%, 74%
XYZ	35.5123, 45.2366, 10.7305
YIQ	168.2710, 31.0480, -45.0800

Conversions

Conversions Part 2

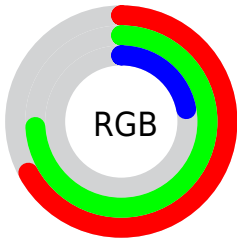
Format	Color
RYB	57, 189, 76
Decimal	11189561
CIELab	73.05, -23.70, 61.15
CIELCh	73, 65.582, 111.187
Yxy	45.2366, 0.3882, 0.4945
Android (android.graphics.Color)	4289379641 (0xFFFAABD39)
YUV	168.2710, -54.8566, 1.5163
Hunter-Lab	67.2582, -23.4537, 37.6214

Details

The Yxy color **45.2366, 0.3882, 0.4945** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **8.1382, 0.1926, 0.1150**, and the grayscale version is **39.5621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9686, 0.3789, 0.4653**, and **21.1857, 0.3917, 0.5272** is the 20% darker color. If you saturate the color by 10%, you get **44.7835, 0.3926, 0.5089**, and if you desaturate by 10%, it is **45.7703, 0.3813, 0.4760**.

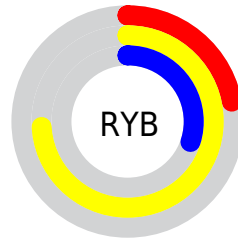
Distribution



Red (67%)

Green (74%)

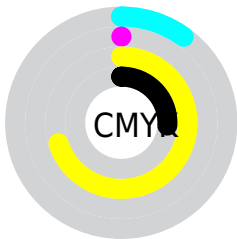
Blue (22%)



Red (22%)

Yellow (74%)

Blue (30%)

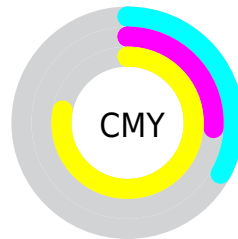


Cyan (10%)

Magenta (0%)

Yellow (70%)

Black (26%)



Cyan (33%)

Magenta (26%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2366, 0.3882, 0.4945 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 45.2366, 0.3882, 0.4945 by changing the saturation by 10% instead.


 45.2366, 0.3882,
0.4945


 45.2366, 0.3882,
0.4945


367.7310, 0.3566,
0.4120


 31.6438, 0.3930,
0.5133


 83.0753, 0.3788,
0.4655

 21.0896, 0.3970,
0.5358


 108.0901, 0.3746,
0.4542

 13.1895, 0.3987,
0.5624


 137.6810, 0.3708,
0.4446

 7.5592, 0.3995,
0.6005

 172.2324, 0.3674,
0.4363

 3.8142, 0.3761,
0.6239

 212.1287, 0.3643,
0.4290

 1.5702, 0.3359,
0.6641

257.7543, 0.3615,

 0.3374, 0.0000,

0.4226

1.0000

309.4936, 0.3589,
0.4170

0.0000, 0.0000,
0.0000

45.2366, 0.3882,
0.4945

45.2366, 0.3882,
0.4945

44.7835, 0.3926,
0.5089

45.7703, 0.3813,
0.4760

44.3966, 0.3944,
0.5189

46.3854, 0.3723,
0.4541

44.0617, 0.3941,
0.5252

47.0902, 0.3617,
0.4299

44.0565, 0.3941,
0.5253

47.8902, 0.3499,
0.4044

48.7906, 0.3374,
0.3785

■ 49.7960, 0.3249,
0.3530

■ 50.9109, 0.3125,
0.3286

■ 52.1393, 0.3006,
0.3056

■ 53.4852, 0.2894,
0.2843

Harmonies

Analogous

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



45.2366, 0.4591, 0.4470



45.2366, 0.3882, 0.4945



45.2366, 0.3025, 0.4886

Triad

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



45.2366, 0.3882, 0.4945



45.2366, 0.1590, 0.2350



45.2366, 0.3958, 0.2608

Complementary

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



45.2366, 0.3882, 0.4945



8.1382, 0.1926, 0.1150

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.



45.2366, 0.3005, 0.2173



45.2366, 0.3882, 0.4945



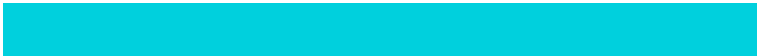
45.2366, 0.1752, 0.1996

Square

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



45.2366, 0.3882, 0.4945



45.2366, 0.1743, 0.3087



45.2366, 0.2224, 0.1955



45.2366, 0.4717, 0.3185

Rectangle

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



45.2366, 0.3882, 0.4945



45.2366, 0.2480, 0.4429



45.2366, 0.2224, 0.1955



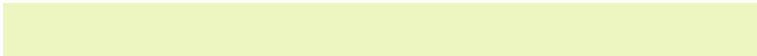
45.2366, 0.3640, 0.2443

Sweetspot

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



45.2387, 0.3882, 0.4945



87.1242, 0.3393, 0.3823



16.0937, 0.5263, 0.3498



18.6377, 0.3428, 0.3895



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.



45.2387, 0.3882, 0.4945



79.8056, 0.3939, 0.5150



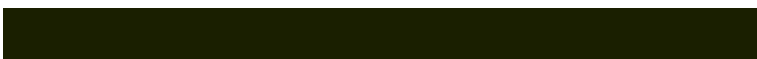
39.7214, 0.3319, 0.5313



11.0490, 0.3243, 0.3518



29.6658, 0.3944, 0.5250



1.1814, 0.4008, 0.5200

Inverse Universe

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



8.1382, 0.1926, 0.1150



9.3000, 0.1693, 0.0802



12.2292, 0.2593, 0.1470



9.2895, 0.3006, 0.3054



2.6516, 0.1564, 0.0635



0.1253, 0.1749, 0.0737

Previews

White Background



This preview shows how the Yxy color 45.2366, 0.3882, 0.4945 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 45.2366, 0.3882, 0.4945 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 45.2366, 0.3882, 0.4945

Background



This preview shows how black text looks on a background with the Yxy color 45.2366, 0.3882, 0.4945.



This preview shows how white text looks on a background with the Yxy color 45.2366, 0.3882, 0.4945.

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

45.2366, 0.3882, 0.4945

Protanopia

44.9240, 0.4266, 0.4689

Deuteranopia

44.8076, 0.4500, 0.4409



Tritanopia

45.2293, 0.3075, 0.3122

Trichromacy



Original Color

45.2366, 0.3882, 0.4945

Protanomaly

45.0900, 0.4124, 0.4786

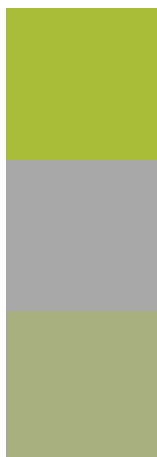
Deuteranomaly

44.6186, 0.4278, 0.4603

Tritanomaly

44.4657, 0.3419, 0.3823

Monochromacy



Original Color

45.2366, 0.3882, 0.4945

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

41.0442, 0.3465, 0.3974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2366, 0.3882, 0.4945 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(170, 189, 57)` looks like.

```
.text, #text, p{  
    color:rgb(170, 189, 57)  
}
```

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(170, 189, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 189, 57) }
```

Border

The CSS property to change the border of an element to Yxy 45.2366, 0.3882, 0.4945 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(170, 189, 57) }
```

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

```
.border{ border-color:rgb(170, 189, 57) }
```

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

Here you see how a box with a 4 pixel rgb(170, 189, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 189, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 189, 57);  
box-shadow:4px 4px 4px 4px rgb(170, 189,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2366, 0.3882, 0.4945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 189, 57) }
```

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

```
.background{ background-color: rgb(170,  
189, 57) }
```

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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