

Converting Colors

$Y_{xy}(45.2875, 0.3942, 0.5218)$

Have a look what the booklet for
Yxy(45.2875, 0.3942, 0.5218)
contains.

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Color

Yxy(45.2875, 0.3942, 0.5218)

Conversions

Conversions Part 1

Format	Color
Hex	A5BF0C
RGB	165, 191, 12
RGB Percent	65%, 75%, 5%
CMY	0.3530, 0.2510, 0.9523
CMYK	0.14, 0.00, 0.94, 0.25
HSL	69°, 88%, 40%
HSV	69°, 94%, 75%
XYZ	34.2130, 45.2875, 7.2904
YIQ	162.8200, 41.9630, -61.1810

Conversions

Conversions Part 2

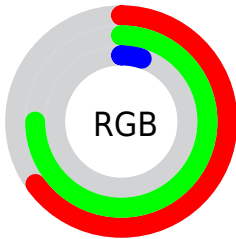
Format	Color
RYB	12, 191, 38
Decimal	10862348
CIELab	73.08, -28.29, 72.37
CIElCh	73, 77.708, 111.352
Yxy	45.2875, 0.3942, 0.5218
Android (android.graphics.Color)	4289052428 (0xFFA5BF0C)
YUV	162.8200, -74.3543, 1.9119
Hunter-Lab	67.2960, -27.0194, 40.6841

Details

The Yxy color **45.2875, 0.3942, 0.5218** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **4.4441, 0.1606, 0.0690**, and the grayscale version is **36.8878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0089, 0.3869, 0.4895**, and **21.3651, 0.3822, 0.5347** is the 20% darker color. If you saturate the color by 10%, you get **45.0743, 0.3938, 0.5255**, and if you desaturate by 10%, it is **45.6641, 0.3934, 0.5135**.

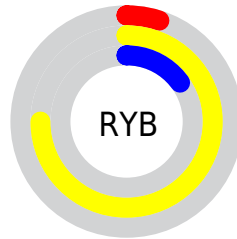
Distribution



Red (65%)

Green (75%)

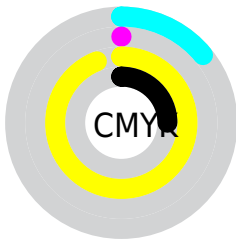
Blue (5%)



Red (5%)

Yellow (75%)

Blue (15%)

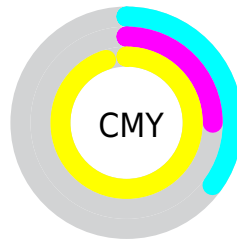


Cyan (14%)

Magenta (0%)

Yellow (94%)

Black (25%)



Cyan (35%)

Magenta (25%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2875, 0.3942, 0.5218 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 45.2875, 0.3942, 0.5218 by changing the saturation by 10% instead.


 45.2875, 0.3942,
0.5218


 45.2875, 0.3942,
0.5218


367.9367, 0.3634,
0.4277

 31.6839, 0.3972,
0.5419


 83.1517, 0.3863,
0.4896

 21.1202, 0.3979,
0.5649


 108.1811, 0.3823,
0.4768


 13.2119, 0.3979,
0.5961


 137.7879, 0.3785,
0.4657

 7.5746, 0.3819,
0.6181

 172.3565, 0.3749,
0.4561

 3.8240, 0.3538,
0.6462

 212.2712, 0.3717,
0.4476

 1.5756, 0.3032,
0.6968

 257.9166, 0.3687,

 0.3411, 0.0000,

0.4402

1.0000

309.6770, 0.3659,
0.4335

■ 0.0000, 0.0000,
0.0000

■ 45.2875, 0.3942,
0.5218

■ 45.2875, 0.3942,
0.5218

■ 45.0743, 0.3938,
0.5255

■ 45.6641, 0.3934,
0.5135

■ 46.1050, 0.3900,
0.5007

■ 46.6213, 0.3841,
0.4836

■ 47.2207, 0.3759,
0.4629

■ 47.9098, 0.3658,
0.4394

■ 48.6946, 0.3544,
0.4142

■ 49.5804, 0.3422,
0.3884

■ 50.5723, 0.3296,
0.3626

■ 51.6748, 0.3172,
0.3377

Harmonies

Analogous

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



45.2875, 0.4779, 0.4596



45.2875, 0.3942, 0.5218



45.2875, 0.2961, 0.5220

Triad

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



45.2875, 0.3942, 0.5218



45.2875, 0.1380, 0.2178



45.2875, 0.4107, 0.2500

Complementary

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



45.2875, 0.3942, 0.5218



4.4441, 0.1606, 0.0690

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.



45.2875, 0.2978, 0.2017



45.2875, 0.3942, 0.5218



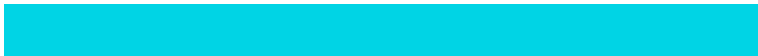
45.2875, 0.1563, 0.1804

Square

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



45.2875, 0.3942, 0.5218



45.2875, 0.1532, 0.3016



45.2875, 0.2084, 0.1772



45.2875, 0.5007, 0.3138

Rectangle

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



45.2875, 0.3942, 0.5218



45.2875, 0.2342, 0.4666



45.2875, 0.2084, 0.1772



45.2875, 0.3727, 0.2317

Sweetspot

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



45.2896, 0.3942, 0.5218



88.0056, 0.3481, 0.4008



12.3662, 0.6142, 0.3423



19.1765, 0.3534, 0.4121



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.



45.2896, 0.3942, 0.5218



80.6385, 0.3934, 0.5258



38.9002, 0.3236, 0.5769



11.0483, 0.3242, 0.3518



29.6469, 0.3942, 0.5252



1.1808, 0.4006, 0.5201

Inverse Universe

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



4.4441, 0.1606, 0.0690



7.1118, 0.1549, 0.0627



8.4210, 0.2362, 0.1102



9.2902, 0.3006, 0.3054



2.6542, 0.1565, 0.0636



0.1256, 0.1751, 0.0738

Previews

White Background



This preview shows how the Yxy color 45.2875, 0.3942, 0.5218 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 45.2875, 0.3942, 0.5218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

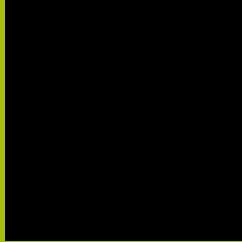
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2875, 0.3942, 0.5218

Background



This preview shows how black text looks on a background with the Yxy color 45.2875, 0.3942, 0.5218.



This preview shows how white text looks on a background with the Yxy color 45.2875, 0.3942, 0.5218.

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

45.2875, 0.3942, 0.5218

Protanopia

45.1991, 0.4400, 0.4889

Deuteranopia

45.0337, 0.4657, 0.4556



Tritanopia

45.3499, 0.3033, 0.3108

Trichromacy



Original Color

45.2875, 0.3942, 0.5218

Protanomaly

45.1086, 0.4236, 0.5008

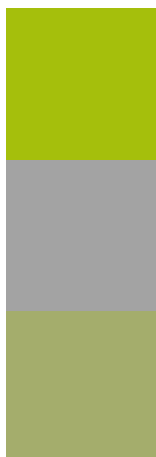
Deuteranomaly

44.7527, 0.4399, 0.4801

Tritanomaly

44.5132, 0.3508, 0.4061

Monochromacy



Original Color

45.2875, 0.3942, 0.5218

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.8624, 0.3591, 0.4235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2875, 0.3942, 0.5218 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, 191, 12)` looks like.

```
.text, #text, p{  
    color:rgb(165, 191, 12)  
}
```

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, 191, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 191, 12) }
```

Border

The CSS property to change the border of an element to Yxy 45.2875, 0.3942, 0.5218 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, 191, 12) }
```

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

```
.border{ border-color:rgb(165, 191, 12) }
```

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

Here you see how a box with a 4 pixel rgb(165, 191, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 191, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 191, 12);  
box-shadow:4px 4px 4px 4px rgb(165, 191,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2875, 0.3942, 0.5218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 191, 12) }
```

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

```
.background{ background-color: rgb(165,  
191, 12) }
```

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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