

Converting Colors

Yxy(49.9318, 0.3948, 0.5248)

Have a look what the booklet for
Yxy(49.9318, 0.3948, 0.5248)
contains.

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Color

Yxy(50.0792, 0.3947, 0.5248)

Conversions

Conversions Part 1

Format	Color
Hex	ACC800
RGB	172, 200, 0
RGB Percent	67%, 78%, 0%
CMY	0.3256, 0.2156, 0.9998
CMYK	0.14, 0.00, 1.00, 0.22
HSL	68°, 100%, 39%
HSV	68°, 100%, 78%
XYZ	37.6644, 50.0792, 7.6817
YIQ	168.8280, 47.5120, -68.1360

Conversions

Conversions Part 2

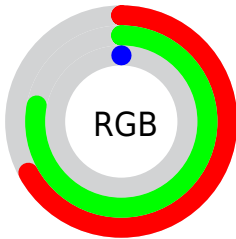
Format	Color
RYB	0, 200, 28
Decimal	11323392
CIELab	76.12, -29.80, 76.18
CIELCh	76, 81.805, 111.367
Yxy	50.0792, 0.3947, 0.5248
Android (android.graphics.Color)	4289513472 (0xFFACC800)
YUV	168.8280, -83.2322, 2.7818
Hunter-Lab	70.7667, -28.8380, 43.1007

Details

The Yxy color **50.0792, 0.3947, 0.5248** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **4.4195, 0.1553, 0.0629**, and the grayscale version is **39.9907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1335, 0.3881, 0.4922**, and **24.2026, 0.3829, 0.5342** is the 20% darker color. If you saturate the color by 10%, you get **50.0807, 0.3947, 0.5248**, and if you desaturate by 10%, it is **50.4526, 0.3950, 0.5188**.

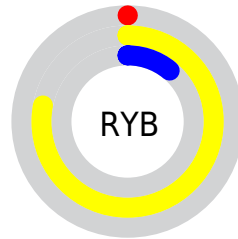
Distribution



Red (67%)

Green (78%)

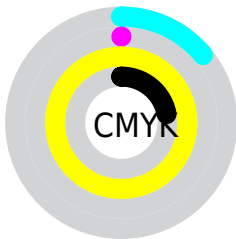
Blue (0%)



Red (0%)

Yellow (78%)

Blue (11%)

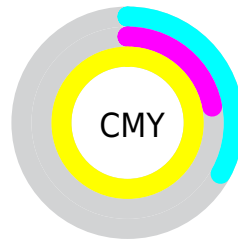


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (33%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0792, 0.3947, 0.5248 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 50.0792, 0.3947, 0.5248 by changing the saturation by 10% instead.


 50.0792, 0.3947,
0.5248


 50.0792, 0.3947,
0.5248


386.9756, 0.3649,
0.4312


 35.4763, 0.3973,
0.5443


 90.2922, 0.3873,
0.4932


 24.0300, 0.3978,
0.5663


 116.6711, 0.3835,
0.4805


 15.3559, 0.3965,
0.5944

 147.7442, 0.3798,
0.4695

 9.0695, 0.3828,
0.6172

 183.8958, 0.3763,
0.4598

 4.7866, 0.3569,
0.6431

 225.5104, 0.3731,
0.4513

 2.1226, 0.3147,
0.6853

 272.9723, 0.3701,

 0.6773, 0.0000,

0.4438

1.0000

326.6659, 0.3674,
0.4371

■ 0.0000, 0.0000,
0.0000

■ 50.0792, 0.3947,
0.5248

■ 50.0792, 0.3947,
0.5248

■ 50.0807, 0.3947,
0.5248

■ 50.4526, 0.3950,
0.5188

■ 50.8827, 0.3933,
0.5091

■ 51.3900, 0.3889,
0.4949

■ 51.9841, 0.3820,
0.4765

■ 52.6729, 0.3730,
0.4547

■ 53.4638, 0.3623,
0.4305

■ 54.3630, 0.3504,
0.4050

■ 55.3764, 0.3378,
0.3790

■ 56.5095, 0.3252,
0.3535

Harmonies

Analogous

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



50.0792, 0.4799, 0.4608



50.0792, 0.3947, 0.5248



50.0792, 0.2953, 0.5259

Triad

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



50.0792, 0.3947, 0.5248



50.0792, 0.1358, 0.2159



50.0792, 0.4124, 0.2488

Complementary

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



50.0792, 0.3947, 0.5248



4.4195, 0.1553, 0.0629

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.



50.0792, 0.2974, 0.2000



50.0792, 0.3947, 0.5248



50.0792, 0.1542, 0.1783

Square

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



50.0792, 0.3947, 0.5248



50.0792, 0.1508, 0.3007



50.0792, 0.2069, 0.1752



50.0792, 0.5040, 0.3132

Rectangle

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



50.0792, 0.3947, 0.5248



50.0792, 0.2326, 0.4694



50.0792, 0.2069, 0.1752



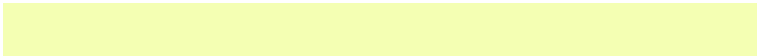
50.0792, 0.3737, 0.2303

Sweetspot

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



50.0815, 0.3947, 0.5248



94.0371, 0.3509, 0.4061



13.0513, 0.6287, 0.3390



19.9811, 0.3561, 0.4172



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.0815, 0.3947, 0.5248



86.6197, 0.3943, 0.5251



42.7439, 0.3201, 0.5840



12.3388, 0.3244, 0.3520



31.8690, 0.3951, 0.5245



1.5303, 0.4004, 0.5203

Inverse Universe

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



4.4195, 0.1553, 0.0629



7.5905, 0.1545, 0.0625



8.6597, 0.2302, 0.1042



10.3576, 0.3004, 0.3053



2.8322, 0.1560, 0.0633



0.1578, 0.1719, 0.0721

Previews

White Background



This preview shows how the Yxy color 50.0792, 0.3947, 0.5248 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 50.0792, 0.3947, 0.5248 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 50.0792, 0.3947, 0.5248

Background



This preview shows how black text looks on a background with the Yxy color 50.0792, 0.3947, 0.5248.



This preview shows how white text looks on a background with the Yxy color 50.0792, 0.3947, 0.5248.

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

50.0792, 0.3947, 0.5248

Protanopia

49.8153, 0.4400, 0.4888

Deuteranopia

49.7891, 0.4659, 0.4566



Tritanopia

50.0262, 0.3030, 0.3103

Trichromacy



Original Color

50.0792, 0.3947, 0.5248

Protanomaly

49.5696, 0.4238, 0.5017

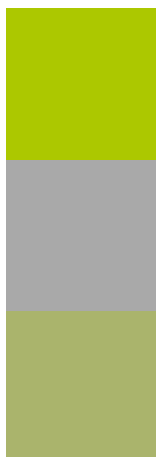
Deuteranomaly

49.3219, 0.4410, 0.4818

Tritanomaly

48.7652, 0.3538, 0.4125

Monochromacy



Original Color

50.0792, 0.3947, 0.5248

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

42.2713, 0.3620, 0.4298

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0792, 0.3947, 0.5248 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(172, 200, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 200, 0)  
}
```

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(172, 200, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 200, 0) }
```

Border

The CSS property to change the border of an element to Yxy 50.0792, 0.3947, 0.5248 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(172, 200, 0) }
```

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

```
.border{ border-color:rgb(172, 200, 0) }
```

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

Here you see how a box with a 4 pixel rgb(172, 200, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 200, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 200, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 200,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0792, 0.3947, 0.5248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 200, 0) }
```

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

```
.background{ background-color: rgb(172,  
200, 0) }
```

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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