

Converting Colors

$Y_{xy}(23.9739, 0.4248, 0.4531)$

Have a look what the booklet for
Yxy(23.9739, 0.4248, 0.4531)
contains.

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Color

Yxy(23.9739, 0.4248, 0.4531)

Conversions

Conversions Part 1

Format	Color
Hex	9B8532
RGB	155, 133, 50
RGB Percent	61%, 52%, 20%
CMY	0.3923, 0.4784, 0.8039
CMYK	0.00, 0.14, 0.68, 0.39
HSL	47°, 51%, 40%
HSV	47°, 68%, 61%
XYZ	22.4765, 23.9739, 6.4604
YIQ	130.1160, 39.7550, -21.1490

Conversions

Conversions Part 2

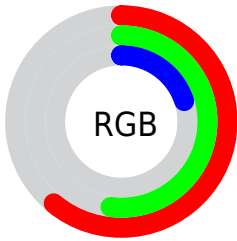
Format	Color
RYB	78, 155, 50
Decimal	10192178
CIELab	56.06, -1.41, 46.24
CIElCh	56, 46.259, 91.753
Yxy	23.9739, 0.4248, 0.4531
Android (android.graphics.Color)	4288382258 (0xFF9B8532)
YUV	130.1160, -39.4972, 21.8233
Hunter-Lab	48.9631, -3.7451, 26.4512

Details

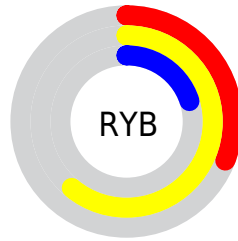
The Yxy color **23.9739, 0.4248, 0.4531** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.6729, 0.1940, 0.1560**, and the grayscale version is **22.4980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0544, 0.4036, 0.4293**, and **9.0500, 0.4487, 0.4819** is the 20% darker color. If you saturate the color by 10%, you get **22.9891, 0.4388, 0.4636**, and if you desaturate by 10%, it is **25.0336, 0.4089, 0.4389**.

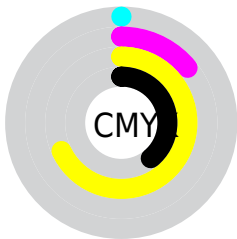
Distribution



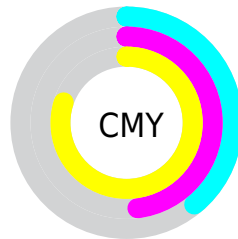
- Red (61%)
- Green (52%)
- Blue (20%)



- Red (31%)
- Yellow (61%)
- Blue (20%)



- Cyan (0%)
- Magenta (14%)
- Yellow (68%)
- Black (39%)



- Cyan (39%)
- Magenta (48%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9739, 0.4248, 0.4531 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 23.9739, 0.4248, 0.4531 by changing the saturation by 10% instead.


 23.9739, 0.4248,
0.4531


 23.9739, 0.4248,
0.4531


272.6885, 0.3665,
0.3880


 15.3143, 0.4382,
0.4684


 49.9876, 0.4039,
0.4296


 9.0402, 0.4534,
0.4862


 68.1105, 0.3959,
0.4206

 4.7674, 0.4814,
0.5186

 90.1565, 0.3891,
0.4130

 2.1115, 0.4796,
0.5204

 116.5102, 0.3832,
0.4065

 0.6711, 0.4734,
0.5266

 147.5558, 0.3782,
0.4009

 0.0000, 0.0000,
0.0000

 183.6778, 0.3738,

0.3960

225.2606, 0.3699,
0.3917

■ 23.9739, 0.4248,
0.4531

■ 23.9739, 0.4248,
0.4531

■ 22.9891, 0.4388,
0.4636

■ 25.0336, 0.4089,
0.4389

■ 22.0709, 0.4503,
0.4697

■ 26.1692, 0.3918,
0.4219

■ 21.2115, 0.4592,
0.4717

■ 27.3858, 0.3743,
0.4030

■ 21.0217, 0.4612,
0.4720

■ 28.6868, 0.3568,
0.3832

■ 30.0756, 0.3401,
0.3632

■ 31.5552, 0.3242,
0.3436

■ 33.1285, 0.3095,
0.3248

■ 34.7981, 0.2960,
0.3071

■ 36.5667, 0.2837,
0.2905

Harmonies

Analogous

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



23.9739, 0.4671, 0.4006



23.9739, 0.4248, 0.4531



23.9739, 0.3557, 0.4781

Triad

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



23.9739, 0.4248, 0.4531



23.9739, 0.1811, 0.2861



23.9739, 0.3317, 0.2411

Complementary

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



23.9739, 0.4248, 0.4531



7.6729, 0.1940, 0.1560

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.



23.9739, 0.2549, 0.2138



23.9739, 0.4248, 0.4531



23.9739, 0.1770, 0.2318

Square

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



23.9739, 0.4248, 0.4531



23.9739, 0.2161, 0.3687



23.9739, 0.2017, 0.2094



23.9739, 0.4126, 0.2863

Rectangle

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



23.9739, 0.4248, 0.4531



23.9739, 0.3043, 0.4650



23.9739, 0.2017, 0.2094



23.9739, 0.3043, 0.2297

Sweetspot

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



23.9750, 0.4248, 0.4531



53.2090, 0.3444, 0.3685



9.7246, 0.4821, 0.2958



11.8952, 0.3488, 0.3738



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.9750, 0.4248, 0.4531



40.3770, 0.4447, 0.4671



28.0400, 0.3701, 0.4993



7.0035, 0.3265, 0.3465



16.9478, 0.4608, 0.4723



0.3026, 0.4395, 0.4893

Inverse Universe

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



7.6729, 0.1940, 0.1560



9.3428, 0.1725, 0.1172



6.3413, 0.2138, 0.1311



6.2254, 0.2988, 0.3109



2.7960, 0.1568, 0.0843



0.0863, 0.1754, 0.1514

Previews

White Background



This preview shows how the Yxy color 23.9739, 0.4248, 0.4531 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9739, 0.4248, 0.4531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

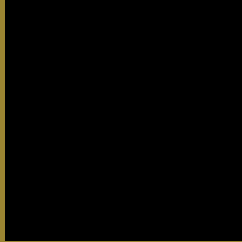
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9739, 0.4248, 0.4531

Background



This preview shows how black text looks on a background with the Yxy color 23.9739, 0.4248, 0.4531.



This preview shows how white text looks on a background with the Yxy color 23.9739, 0.4248, 0.4531.

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

23.9739, 0.4248, 0.4531

Protanopia

24.0423, 0.4166, 0.4591

Deuteranopia

24.0111, 0.4445, 0.4358



Tritanopia

24.0698, 0.3473, 0.3150

Trichromacy



Original Color

23.9739, 0.4248, 0.4531

Protanomaly

23.9559, 0.4201, 0.4564

Deuteranomaly

23.9908, 0.4371, 0.4427

Tritanomaly

23.7885, 0.3800, 0.3695

Monochromacy



Original Color

23.9739, 0.4248, 0.4531

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.6612, 0.3558, 0.3818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9739, 0.4248, 0.4531 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(155, 133, 50)` looks like.

```
.text, #text, p{  
    color:rgb(155, 133, 50)  
}
```

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(155, 133, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 133, 50) }
```

Border

The CSS property to change the border of an element to Yxy 23.9739, 0.4248, 0.4531 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(155, 133, 50) }
```

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

```
.border{ border-color:rgb(155, 133, 50) }
```

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

Here you see how a box with a 4 pixel rgb(155, 133, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 133, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 133, 50);  
box-shadow:4px 4px 4px 4px rgb(155, 133,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9739, 0.4248, 0.4531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 133, 50) }
```

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

```
.background{ background-color: rgb(155,  
133, 50) }
```

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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