

Converting Colors

$Y_{xy}(22.6349, 0.3983, 0.4622)$

Have a look what the booklet for
Yxy(22.6349, 0.3983, 0.4622)
contains.

Yxy(22.6349, 0.3983, 0.4622)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.6349, 0.3983, 0.4622)

Conversions

Conversions Part 1

Format	Color
Hex	898636
RGB	137, 134, 54
RGB Percent	54%, 53%, 21%
CMY	0.4628, 0.4745, 0.7882
CMYK	0.00, 0.02, 0.61, 0.46
HSL	58°, 43%, 37%
HSV	58°, 61%, 54%
XYZ	19.5056, 22.6349, 6.8316
YIQ	125.7770, 27.4680, -24.2440

Conversions

Conversions Part 2

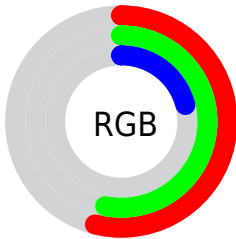
Format	Color
RYB	57, 137, 54
Decimal	9012790
CIELab	54.69, -9.79, 42.41
CIElCh	55, 43.530, 103.001
Yxy	22.6349, 0.3983, 0.4622
Android (android.graphics.Color)	4287202870 (0xFF898636)
YUV	125.7770, -35.3861, 9.8426
Hunter-Lab	47.5761, -10.0757, 24.7897

Details

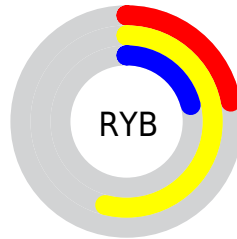
The Yxy color **22.6349, 0.3983, 0.4622** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.5147, 0.2008, 0.1477**, and the grayscale version is **20.8998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7466, 0.3824, 0.4346**, and **8.3818, 0.4174, 0.5067** is the 20% darker color. If you saturate the color by 10%, you get **22.3894, 0.4086, 0.4774**, and if you desaturate by 10%, it is **22.9194, 0.3861, 0.4437**.

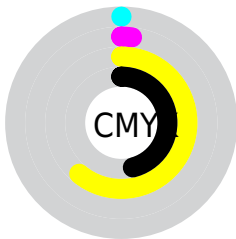
Distribution



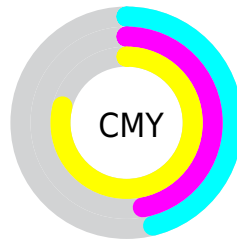
- Red (54%)
- Green (53%)
- Blue (21%)



- Red (22%)
- Yellow (54%)
- Blue (21%)



- Cyan (0%)
- Magenta (2%)
- Yellow (61%)
- Black (46%)





- Cyan (46%)
- Magenta (47%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6349, 0.3983, 0.4622 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 22.6349, 0.3983, 0.4622 by changing the saturation by 10% instead.


 22.6349, 0.3983,
0.4622


 22.6349, 0.3983,
0.4622


 265.8442, 0.3541,
0.3888


 14.3242, 0.4082,
0.4815


 47.7931, 0.3826,
0.4344

 8.3465, 0.4190,
0.5059


 65.4094, 0.3765,
0.4242


 4.3174, 0.4438,
0.5547

 86.8963, 0.3713,
0.4157

 1.8527, 0.4301,
0.5699

 112.6383, 0.3668,
0.4086

 0.5197, 0.3291,
0.6709

 143.0196, 0.3630,
0.4025

 0.0000, 0.0000,
0.0000

 178.4248, 0.3596,

0.3973

219.2382, 0.3567,
0.3928

■ 22.6349, 0.3983,
0.4622

■ 22.6349, 0.3983,
0.4622

■ 22.3894, 0.4086,
0.4774

■ 22.9194, 0.3861,
0.4437

■ 22.1766, 0.4165,
0.4888

■ 23.2425, 0.3724,
0.4227

■ 21.9939, 0.4220,
0.4960

■ 23.6078, 0.3578,
0.4000

■ 21.8391, 0.4255,
0.5003

■ 24.0175, 0.3428,
0.3766

■ 24.4738, 0.3279,
0.3531

■ 24.9787, 0.3135,
0.3303

■ 25.5341, 0.2998,
0.3084

■ 26.1416, 0.2870,
0.2879

■ 26.8031, 0.2751,
0.2688

Harmonies

Analogous

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



22.6349, 0.4505, 0.4192



22.6349, 0.3983, 0.4622



22.6349, 0.3269, 0.4677

Triad

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



22.6349, 0.3983, 0.4622



22.6349, 0.1807, 0.2648



22.6349, 0.3613, 0.2589

Complementary

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



22.6349, 0.3983, 0.4622



5.5147, 0.2008, 0.1477

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.



22.6349, 0.2829, 0.2252



22.6349, 0.3983, 0.4622



22.6349, 0.1873, 0.2240

Square

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



22.6349, 0.3983, 0.4622



22.6349, 0.2035, 0.3357



22.6349, 0.2218, 0.2122



22.6349, 0.4321, 0.3075

Rectangle

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



22.6349, 0.3983, 0.4622



22.6349, 0.2780, 0.4401



22.6349, 0.2218, 0.2122



22.6349, 0.3345, 0.2457

Sweetspot

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



22.6360, 0.3983, 0.4622



43.1931, 0.3396, 0.3715



8.2631, 0.4839, 0.3224



9.6430, 0.3434, 0.3775



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



22.6360, 0.3983, 0.4622



39.9452, 0.4121, 0.4825



20.8421, 0.3497, 0.4916



5.8147, 0.3259, 0.3499



20.3523, 0.4255, 0.5003



0.1397, 0.4222, 0.5030

Inverse Universe

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



5.5147, 0.2008, 0.1477



6.4016, 0.1762, 0.1066



6.6865, 0.2466, 0.1620



4.9191, 0.2991, 0.3073



1.7856, 0.1509, 0.0633



0.0151, 0.1552, 0.0785

Previews

White Background



This preview shows how the Yxy color 22.6349, 0.3983, 0.4622 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 22.6349, 0.3983, 0.4622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

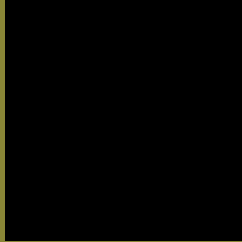
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6349, 0.3983, 0.4622

Background



This preview shows how black text looks on a background with the Yxy color 22.6349, 0.3983, 0.4622.



This preview shows how white text looks on a background with the Yxy color 22.6349, 0.3983, 0.4622.

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

22.6349, 0.3983, 0.4622

Protanopia

22.6006, 0.4134, 0.4533

Deuteranopia

22.3921, 0.4374, 0.4287



Tritanopia

22.7190, 0.3242, 0.3124

Trichromacy



Original Color

22.6349, 0.3983, 0.4622

Protanomaly

22.5992, 0.4086, 0.4567

Deuteranomaly

22.4962, 0.4228, 0.4410

Tritanomaly

22.4919, 0.3546, 0.3691

Monochromacy



Original Color

22.6349, 0.3983, 0.4622

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.3664, 0.3464, 0.3823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6349, 0.3983, 0.4622 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(137, 134, 54)` looks like.

```
.text, #text, p{  
    color:rgb(137, 134, 54)  
}
```

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(137, 134, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 134, 54) }
```

Border

The CSS property to change the border of an element to Yxy 22.6349, 0.3983, 0.4622 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(137, 134, 54) }
```

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

```
.border{ border-color:rgb(137, 134, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 134, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 134, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 134, 54);  
box-shadow:4px 4px 4px 4px rgb(137, 134,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6349, 0.3983, 0.4622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 134, 54) }
```

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

```
.background{ background-color: rgb(137,  
134, 54) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor