

Converting Colors

$Y_{xy}(22.5317, 0.3949, 0.4503)$

Have a look what the booklet for
Yxy(22.5317, 0.3949, 0.4503)
contains.

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Color

Yxy(22.5153, 0.3946, 0.4508)

Conversions

Conversions Part 1

Format	Color
Hex	8A853D
RGB	138, 133, 61
RGB Percent	54%, 52%, 24%
CMY	0.4589, 0.4784, 0.7608
CMYK	0.00, 0.04, 0.56, 0.46
HSL	56°, 39%, 39%
HSV	56°, 56%, 54%
XYZ	19.7084, 22.5153, 7.7215
YIQ	126.2870, 26.0920, -21.3320

Conversions

Conversions Part 2

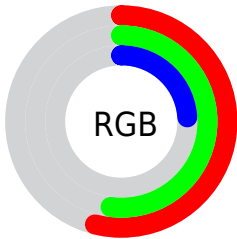
Format	Color
RYB	66, 138, 61
Decimal	9078077
CIELab	54.57, -8.24, 38.89
CIELCh	55, 39.751, 101.958
Yxy	22.5153, 0.3946, 0.4508
Android (android.graphics.Color)	4287268157 (0xFF8A853D)
YUV	126.2870, -32.1865, 10.2723
Hunter-Lab	47.4503, -8.8984, 23.5670

Details

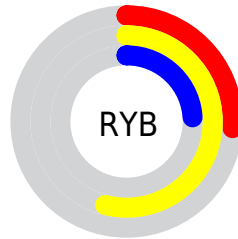
The Yxy color **22.5153, 0.3946, 0.4508** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **6.7189, 0.2111, 0.1677**, and the grayscale version is **21.0716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6030, 0.3787, 0.4250**, and **8.3432, 0.4166, 0.4918** is the 20% darker color. If you saturate the color by 10%, you get **22.1435, 0.4066, 0.4674**, and if you desaturate by 10%, it is **22.9295, 0.3810, 0.4313**.

Distribution



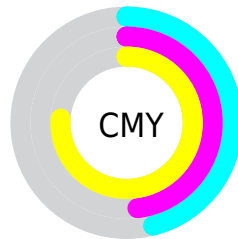
- Red (54%)
- Green (52%)
- Blue (24%)



- Red (26%)
- Yellow (54%)
- Blue (24%)



- Cyan (0%)
- Magenta (4%)
- Yellow (56%)
- Black (46%)





- Cyan (46%)
- Magenta (48%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5153, 0.3946, 0.4508 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 22.5153, 0.3946, 0.4508 by changing the saturation by 10% instead.


 22.5153, 0.3946,
0.4508


 22.5153, 0.3946,
0.4508


 265.2256, 0.3515,
0.3834


 14.2360, 0.4048,
0.4689


 47.5962, 0.3790,
0.4250


 8.2850, 0.4167,
0.4922


 65.1666, 0.3730,
0.4157


 4.2779, 0.4376,
0.5322

 86.6029, 0.3680,
0.4080

 1.8302, 0.4392,
0.5608

 112.2894, 0.3637,
0.4015

 0.5059, 0.3561,
0.6439

 142.6105, 0.3600,
0.3959

 0.0000, 0.0000,
0.0000

 177.9507, 0.3568,

0.3912

218.6942, 0.3540,
0.3870

■ 22.5153, 0.3946,
0.4508

■ 22.5153, 0.3946,
0.4508

■ 22.1435, 0.4066,
0.4674

■ 22.9295, 0.3810,
0.4313

■ 21.8080, 0.4165,
0.4804

■ 23.3857, 0.3663,
0.4099

■ 21.5063, 0.4239,
0.4894

■ 23.8874, 0.3511,
0.3873

■ 21.2333, 0.4289,
0.4944

■ 24.4368, 0.3358,
0.3643

■ 21.1216, 0.4308,
0.4962

■ 25.0359, 0.3210,
0.3417

■ 25.6869, 0.3069,
0.3200

■ 26.3915, 0.2936,
0.2993

■ 27.1515, 0.2812,
0.2801

■ 27.9686, 0.2699,
0.2623

Harmonies

Analogous

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



22.5153, 0.4411, 0.4120



22.5153, 0.3946, 0.4508



22.5153, 0.3292, 0.4556

Triad

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



22.5153, 0.3946, 0.4508



22.5153, 0.1906, 0.2726



22.5153, 0.3550, 0.2628

Complementary

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



22.5153, 0.3946, 0.4508



6.7189, 0.2111, 0.1677

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.



22.5153, 0.2833, 0.2319



22.5153, 0.3946, 0.4508



22.5153, 0.1957, 0.2330

Square

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



22.5153, 0.3946, 0.4508



22.5153, 0.2133, 0.3383



22.5153, 0.2272, 0.2207



22.5153, 0.4201, 0.3081

Rectangle

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



22.5153, 0.3946, 0.4508



22.5153, 0.2839, 0.4313



22.5153, 0.2272, 0.2207



22.5153, 0.3305, 0.2506

Sweetspot

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



22.5163, 0.3946, 0.4508



42.9308, 0.3382, 0.3679



9.1336, 0.4606, 0.3203



9.5919, 0.3408, 0.3718



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.



22.5163, 0.3946, 0.4508



38.8828, 0.4094, 0.4712



21.4880, 0.3496, 0.4782



5.7906, 0.3259, 0.3493



19.3802, 0.4307, 0.4962



0.1365, 0.4245, 0.5011

Inverse Universe

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



6.7189, 0.2111, 0.1677



8.1309, 0.1874, 0.1284



7.5703, 0.2513, 0.1744



4.9407, 0.2991, 0.3079



1.8682, 0.1517, 0.0659



0.0183, 0.1590, 0.0925

Previews

White Background



This preview shows how the Yxy color 22.5153, 0.3946, 0.4508 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 22.5153, 0.3946, 0.4508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

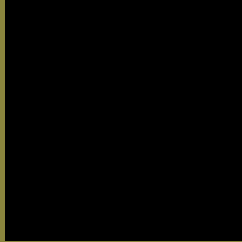
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5153, 0.3946, 0.4508

Background



This preview shows how black text looks on a background with the Yxy color 22.5153, 0.3946, 0.4508.



This preview shows how white text looks on a background with the Yxy color 22.5153, 0.3946, 0.4508.

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

22.5153, 0.3946, 0.4508

Protanopia

22.5786, 0.4062, 0.4450

Deuteranopia

22.3513, 0.4305, 0.4220



Tritanopia

22.4362, 0.3255, 0.3123

Trichromacy



Original Color

22.5153, 0.3946, 0.4508

Protanomaly

22.5796, 0.4015, 0.4483

Deuteranomaly

22.2988, 0.4184, 0.4320

Tritanomaly

22.2718, 0.3526, 0.3639

Monochromacy



Original Color

22.5153, 0.3946, 0.4508

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.4056, 0.3441, 0.3786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5153, 0.3946, 0.4508 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(138, 133, 61)` looks like.

```
.text, #text, p{  
    color:rgb(138, 133, 61)  
}
```

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(138, 133, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 133, 61) }
```

Border

The CSS property to change the border of an element to Yxy 22.5153, 0.3946, 0.4508 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(138, 133, 61) }
```

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

```
.border{ border-color:rgb(138, 133, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 133, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 133, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 133, 61);  
box-shadow:4px 4px 4px 4px rgb(138, 133,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5153, 0.3946, 0.4508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 133, 61) }
```

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

```
.background{ background-color: rgb(138,  
133, 61) }
```

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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