

Converting Colors

$Y_{xy}(24.6675, 0.3865, 0.4716)$

Have a look what the booklet for
Yxy(24.6675, 0.3865, 0.4716)
contains.

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Color

Yxy(24.6999, 0.3861, 0.4717)

Conversions

Conversions Part 1

Format	Color
Hex	868E38
RGB	134, 142, 56
RGB Percent	53%, 56%, 22%
CMY	0.4746, 0.4431, 0.7803
CMYK	0.06, 0.00, 0.61, 0.44
HSL	66°, 43%, 39%
HSV	66°, 61%, 56%
XYZ	20.2176, 24.6999, 7.4461
YIQ	129.8040, 22.8380, -28.4420

Conversions

Conversions Part 2

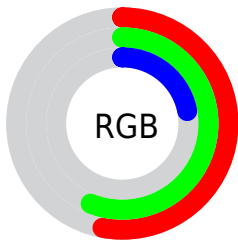
Format	Color
RYB	56, 142, 64
Decimal	8818232
CIELab	56.78, -15.25, 43.70
CIELCh	57, 46.282, 109.232
Yxy	24.6999, 0.3861, 0.4717
Android (android.graphics.Color)	4287008312 (0xFF868E38)
YUV	129.8040, -36.3854, 3.6799
Hunter-Lab	49.6990, -14.3593, 25.9062

Details

The Yxy color **24.6999, 0.3861, 0.4717** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.8752, 0.2074, 0.1448**, and the grayscale version is **22.3761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3602, 0.3731, 0.4417**, and **9.4481, 0.4016, 0.5193** is the 20% darker color. If you saturate the color by 10%, you get **24.4731, 0.3939, 0.4891**, and if you desaturate by 10%, it is **24.9698, 0.3763, 0.4511**.

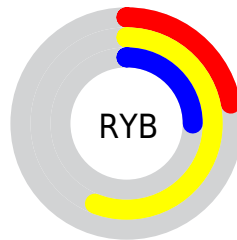
Distribution



Red (53%)

Green (56%)

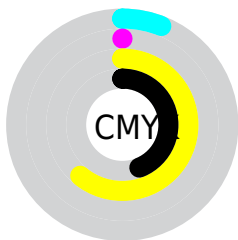
Blue (22%)



Red (22%)

Yellow (56%)

Blue (25%)

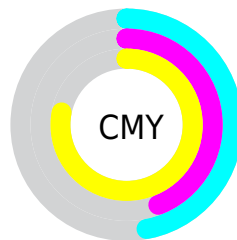


Cyan (6%)

Magenta (0%)

Yellow (61%)

Black (44%)



Cyan (47%)


Magenta (44%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6999, 0.3861, 0.4717 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 24.6999, 0.3861, 0.4717 by changing the saturation by 10% instead.


 24.6999, 0.3861,
0.4717


 24.6999, 0.3861,
0.4717


276.3401, 0.3496,
0.3929


 15.8536, 0.3935,
0.4927


 51.1700, 0.3736,
0.4417

 9.4206, 0.4010,
0.5195


 69.5625, 0.3686,
0.4308


 5.0165, 0.4149,
0.5655

 91.9059, 0.3643,
0.4217

 2.2570, 0.4029,
0.5971

 118.5847, 0.3606,
0.4141

 0.7508, 0.3126,
0.6874

 149.9830, 0.3573,
0.4076

 0.0000, 0.0000,
0.0000

 186.4855, 0.3544,

0.4020

228.4764, 0.3519,
0.3972

■ 24.6999, 0.3861,
0.4717

■ 24.6999, 0.3861,
0.4717

■ 24.4731, 0.3939,
0.4891

■ 24.9698, 0.3763,
0.4511

■ 24.2825, 0.3993,
0.5025

■ 25.2824, 0.3649,
0.4282

■ 24.1252, 0.4022,
0.5118

■ 25.6415, 0.3525,
0.4038

■ 23.9966, 0.4034,
0.5179

■ 26.0497, 0.3394,
0.3789

■ 26.5093, 0.3263,
0.3542

■ 27.0226, 0.3134,
0.3303

■ 27.5914, 0.3010,
0.3076

■ 28.2178, 0.2893,
0.2865

■ 28.9036, 0.2784,
0.2669

Harmonies

Analogous

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



24.6999, 0.4457, 0.4322



24.6999, 0.3861, 0.4717



24.6999, 0.3109, 0.4667

Triad

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



24.6999, 0.3861, 0.4717



24.6999, 0.1762, 0.2512



24.6999, 0.3798, 0.2662

Complementary

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



24.6999, 0.3861, 0.4717



5.8752, 0.2074, 0.1448

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.



24.6999, 0.2978, 0.2280



24.6999, 0.3861, 0.4717



24.6999, 0.1889, 0.2161

Square

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



24.6999, 0.3861, 0.4717



24.6999, 0.1929, 0.3183



24.6999, 0.2300, 0.2099



24.6999, 0.4471, 0.3181

Rectangle

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



24.6999, 0.3861, 0.4717



24.6999, 0.2620, 0.4303



24.6999, 0.2300, 0.2099



24.6999, 0.3524, 0.2516

Sweetspot

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



24.7010, 0.3861, 0.4717



46.1006, 0.3366, 0.3734



9.6131, 0.4852, 0.3415



10.2519, 0.3400, 0.3799



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



24.7010, 0.3861, 0.4717



43.0113, 0.3963, 0.4949



21.9011, 0.3370, 0.4991



6.2602, 0.3245, 0.3508



21.5476, 0.4035, 0.5178



0.2108, 0.4119, 0.5112

Inverse Universe

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



5.8752, 0.2074, 0.1448



6.7150, 0.1825, 0.1045



7.8591, 0.2632, 0.1687



5.2776, 0.3003, 0.3064



1.8361, 0.1542, 0.0623



0.0214, 0.1733, 0.0728

Previews

White Background



This preview shows how the Yxy color 24.6999, 0.3861, 0.4717 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 24.6999, 0.3861, 0.4717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

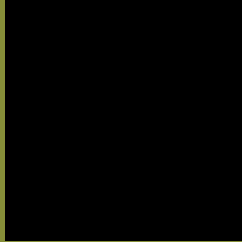
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6999, 0.3861, 0.4717

Background



This preview shows how black text looks on a background with the Yxy color 24.6999, 0.3861, 0.4717.



This preview shows how white text looks on a background with the Yxy color 24.6999, 0.3861, 0.4717.

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

24.6999, 0.3861, 0.4717

Protanopia

24.5501, 0.4150, 0.4545

Deuteranopia

24.4618, 0.4378, 0.4279



Tritanopia

24.6283, 0.3124, 0.3109

Trichromacy



Original Color

24.6999, 0.3861, 0.4717

Protanomaly

24.4725, 0.4038, 0.4606

Deuteranomaly

24.4339, 0.4179, 0.4435

Tritanomaly

24.3536, 0.3429, 0.3705

Monochromacy



Original Color

24.6999, 0.3861, 0.4717

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.8548, 0.3425, 0.3850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6999, 0.3861, 0.4717 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(134, 142, 56)` looks like.

```
.text, #text, p{  
    color:rgb(134, 142, 56)  
}
```

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(134, 142, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 142, 56) }
```

Border

The CSS property to change the border of an element to Yxy 24.6999, 0.3861, 0.4717 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(134, 142, 56) }
```

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

```
.border{ border-color:rgb(134, 142, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 142, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 142, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 142, 56);  
box-shadow:4px 4px 4px 4px rgb(134, 142,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6999, 0.3861, 0.4717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 142, 56) }
```

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

```
.background{ background-color: rgb(134,  
142, 56) }
```

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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