

Converting Colors

$Yxy(24.9859, 0.3924, 0.4768)$

Have a look what the booklet for
Yxy(24.9859, 0.3924, 0.4768)
contains.

Yxy(24.8193, 0.3921, 0.4765)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.8193, 0.3921, 0.4765)

Conversions

Conversions Part 1

Format	Color
Hex	888E33
RGB	136, 142, 51
RGB Percent	53%, 56%, 20%
CMY	0.4667, 0.4431, 0.8001
CMYK	0.04, 0.00, 0.64, 0.44
HSL	64°, 47%, 38%
HSV	64°, 64%, 56%
XYZ	20.4232, 24.8193, 6.8442
YIQ	129.8320, 25.6350, -29.5730

Conversions

Conversions Part 2

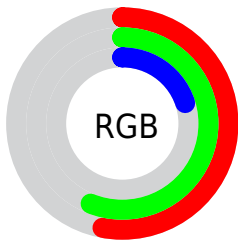
Format	Color
RYB	51, 142, 57
Decimal	8949299
CIELab	56.90, -14.74, 46.17
CIELCh	57, 48.463, 107.709
Yxy	24.8193, 0.3921, 0.4765
Android (android.graphics.Color)	4287139379 (0xFF888E33)
YUV	129.8320, -38.8642, 5.4093
Hunter-Lab	49.8190, -14.0075, 26.7280

Details

The Yxy color **24.8193, 0.3921, 0.4765** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.1893, 0.1981, 0.1326**, and the grayscale version is **22.3937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5155, 0.3782, 0.4466**, and **9.4933, 0.4034, 0.5179** is the 20% darker color. If you saturate the color by 10%, you get **24.6356, 0.3995, 0.4920**, and if you desaturate by 10%, it is **25.0442, 0.3825, 0.4575**.

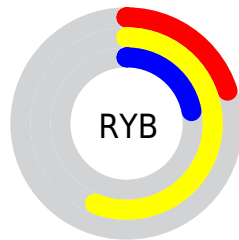
Distribution



Red (53%)

Green (56%)

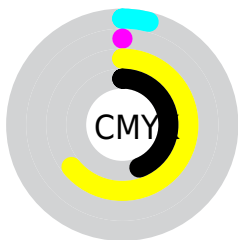
Blue (20%)



Red (20%)

Yellow (56%)

Blue (22%)

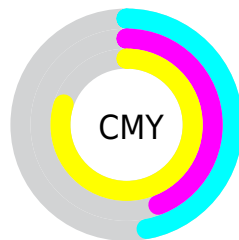


Cyan (4%)

Magenta (0%)

Yellow (64%)

Black (44%)



Cyan (47%)


Magenta (44%)


Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8193, 0.3921, 0.4765 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 24.8193, 0.3921, 0.4765 by changing the saturation by 10% instead.


 24.8193, 0.3921,
0.4765


 24.8193, 0.3921,
0.4765


 276.9368, 0.3529,
0.3957


 15.9425, 0.3999,
0.4975


 51.3639, 0.3788,
0.4460


 9.4835, 0.4075,
0.5239


 69.8005, 0.3735,
0.4349


 5.0578, 0.4248,
0.5735

 92.1925, 0.3688,
0.4255

 2.2812, 0.4061,
0.5939

 118.9242, 0.3648,
0.4177

 0.7638, 0.3240,
0.6760

 150.3801, 0.3612,
0.4110

 0.0000, 0.0000,
0.0000

 186.9446, 0.3581,

0.4052

229.0021, 0.3554,
0.4001

■ 24.8193, 0.3921,
0.4765

■ 24.8193, 0.3921,
0.4765

■ 24.6356, 0.3995,
0.4920

■ 25.0442, 0.3825,
0.4575

■ 24.4861, 0.4045,
0.5034

■ 25.3101, 0.3711,
0.4357

■ 24.3675, 0.4071,
0.5107

■ 25.6209, 0.3585,
0.4121

■ 24.3041, 0.4081,
0.5142

■ 25.9793, 0.3452,
0.3875

■ 26.3875, 0.3316,
0.3628

■ 26.8479, 0.3181,
0.3386

■ 27.3626, 0.3051,
0.3155

■ 27.9334, 0.2928,
0.2937

■ 28.5623, 0.2812,
0.2735

Harmonies

Analogous

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



24.8193, 0.4532, 0.4327



24.8193, 0.3921, 0.4765



24.8193, 0.3142, 0.4755

Triad

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



24.8193, 0.3921, 0.4765



24.8193, 0.1712, 0.2503



24.8193, 0.3783, 0.2613

Complementary

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



24.8193, 0.3921, 0.4765



5.1893, 0.1981, 0.1326

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.



24.8193, 0.2927, 0.2227



24.8193, 0.3921, 0.4765



24.8193, 0.1829, 0.2127

Square

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



24.8193, 0.3921, 0.4765



24.8193, 0.1898, 0.3217



24.8193, 0.2238, 0.2052



24.8193, 0.4505, 0.3142

Rectangle

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



24.8193, 0.3921, 0.4765



24.8193, 0.2631, 0.4393



24.8193, 0.2238, 0.2052



24.8193, 0.3495, 0.2464

Sweetspot

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



24.8204, 0.3921, 0.4765



46.1356, 0.3388, 0.3759



8.7738, 0.5046, 0.3368



10.2647, 0.3422, 0.3821



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.



24.8204, 0.3921, 0.4765



43.3131, 0.4021, 0.4976



21.8590, 0.3405, 0.5070



6.2676, 0.3249, 0.3508



21.8227, 0.4081, 0.5141



0.2122, 0.4141, 0.5094

Inverse Universe

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



5.1893, 0.1981, 0.1326



5.8346, 0.1738, 0.0936



7.0890, 0.2548, 0.1579



5.2709, 0.2999, 0.3063



1.8111, 0.1529, 0.0616



0.0200, 0.1668, 0.0692

Previews

White Background



This preview shows how the Yxy color 24.8193, 0.3921, 0.4765 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 24.8193, 0.3921, 0.4765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

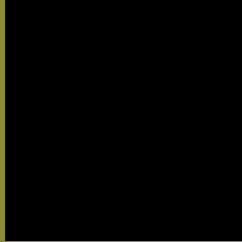
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8193, 0.3921, 0.4765

Background



This preview shows how black text looks on a background with the Yxy color 24.8193, 0.3921, 0.4765.



This preview shows how white text looks on a background with the Yxy color 24.8193, 0.3921, 0.4765.

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

24.8193, 0.3921, 0.4765

Protanopia

24.7970, 0.4170, 0.4602

Deuteranopia

24.7871, 0.4422, 0.4341



Tritanopia

24.7780, 0.3157, 0.3127

Trichromacy



Original Color

24.8193, 0.3921, 0.4765

Protanomaly

24.8065, 0.4077, 0.4669

Deuteranomaly

24.5856, 0.4244, 0.4479

Tritanomaly

24.4849, 0.3475, 0.3736

Monochromacy



Original Color

24.8193, 0.3921, 0.4765

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.8953, 0.3459, 0.3884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8193, 0.3921, 0.4765 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(136, 142, 51)` looks like.

```
.text, #text, p{  
    color:rgb(136, 142, 51)  
}
```

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(136, 142, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 142, 51) }
```

Border

The CSS property to change the border of an element to Yxy 24.8193, 0.3921, 0.4765 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(136, 142, 51) }
```

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

```
.border{ border-color:rgb(136, 142, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 142, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 142, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 142, 51);  
box-shadow:4px 4px 4px 4px rgb(136, 142,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8193, 0.3921, 0.4765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 142, 51) }
```

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

```
.background{ background-color: rgb(136,  
142, 51) }
```

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