

Converting Colors

$Y_{xy}(22.2393, 0.4178, 0.4678)$

Have a look what the booklet for
Yxy(22.2393, 0.4178, 0.4678)
contains.

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Color

Yxy(22.2394, 0.4178, 0.4678)

Conversions

Conversions Part 1

Format	Color
Hex	8F832A
RGB	143, 131, 42
RGB Percent	56%, 51%, 16%
CMY	0.4392, 0.4863, 0.8352
CMYK	0.00, 0.08, 0.71, 0.44
HSL	53°, 55%, 36%
HSV	53°, 71%, 56%
XYZ	19.8624, 22.2394, 5.4386
YIQ	124.4420, 35.7210, -25.1350

Conversions

Conversions Part 2

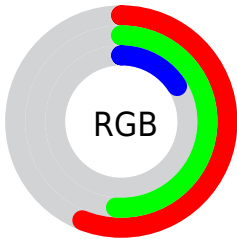
Format	Color
R_{YB}	56, 143, 42
Decimal	9405226
CIE _{Lab}	54.28, -6.22, 47.52
CIE _{LCh}	54, 47.922, 97.458
Yxy	22.2394, 0.4178, 0.4678
Android (android.graphics.Color)	4287595306 (0xFF8F832A)
YUV	124.4420, -40.6439, 16.2754
Hunter-Lab	47.1587, -7.3467, 26.1734

Details

The Yxy color **22.2394, 0.4178, 0.4678** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.1167, 0.1858, 0.1314**, and the grayscale version is **20.4424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2134, 0.3984, 0.4408**, and **8.1584, 0.4327, 0.4946** is the 20% darker color. If you saturate the color by 10%, you get **21.7029, 0.4281, 0.4783**, and if you desaturate by 10%, it is **22.8220, 0.4052, 0.4534**.

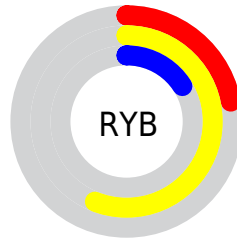
Distribution



Red (56%)

Green (51%)

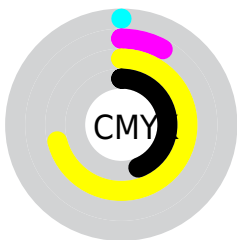
Blue (16%)



Red (22%)

Yellow (56%)

Blue (16%)

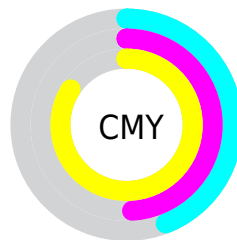


Cyan (0%)

Magenta (8%)

Yellow (71%)

Black (44%)



Cyan (44%)

Magenta (49%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2394, 0.4178, 0.4678 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 22.2394, 0.4178, 0.4678 by changing the saturation by 10% instead.

22.2394, 0.4178,
0.4678

22.2394, 0.4178,
0.4678

263.7939, 0.3637,
0.3932

14.0329, 0.4295,
0.4859

47.1414, 0.3988,
0.4404

8.1436, 0.4420,
0.5075

64.6056, 0.3914,
0.4301

4.1869, 0.4600,
0.5400

85.9246, 0.3850,
0.4214

1.7787, 0.4508,
0.5492

111.4827, 0.3795,
0.4140

0.4738, 0.3865,
0.6135

141.6642, 0.3747,
0.4077

0.0000, 0.0000,
0.0000

176.8537, 0.3706,

0.4022

217.4355, 0.3670,
0.3974

■ 22.2394, 0.4178,
0.4678

■ 22.2394, 0.4178,
0.4678

■ 21.7029, 0.4281,
0.4783

■ 22.8220, 0.4052,
0.4534

■ 21.2053, 0.4358,
0.4846

■ 23.4512, 0.3910,
0.4359

■ 20.7638, 0.4414,
0.4877

■ 24.1310, 0.3755,
0.4160

■ 24.8644, 0.3596,
0.3948

■ 25.6538, 0.3437,
0.3730

■ 26.5018, 0.3283,
0.3513

■ 27.4105, 0.3136,
0.3303

■ 28.3821, 0.2998,
0.3102

■ 29.4185, 0.2871,
0.2914

Harmonies

Analogous

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



22.2394, 0.4701, 0.4145



22.2394, 0.4178, 0.4678



22.2394, 0.3417, 0.4870

Triad

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



22.2394, 0.4178, 0.4678



22.2394, 0.1711, 0.2692



22.2394, 0.3495, 0.2443

Complementary

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



22.2394, 0.4178, 0.4678



5.1167, 0.1858, 0.1314

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.



22.2394, 0.2652, 0.2118



22.2394, 0.4178, 0.4678



22.2394, 0.1728, 0.2194

Square

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



22.2394, 0.4178, 0.4678



22.2394, 0.2010, 0.3527



22.2394, 0.2042, 0.2021



22.2394, 0.4327, 0.2940

Rectangle

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



22.2394, 0.4178, 0.4678



22.2394, 0.2878, 0.4651



22.2394, 0.2042, 0.2021



22.2394, 0.3199, 0.2312

Sweetspot

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



22.2405, 0.4178, 0.4678



45.8199, 0.3451, 0.3748



7.7782, 0.5115, 0.3094



10.4262, 0.3489, 0.3802



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.2405, 0.4178, 0.4678



38.3070, 0.4332, 0.4827



22.8752, 0.3611, 0.5105



6.1776, 0.3261, 0.3482



18.3788, 0.4413, 0.4878



0.1957, 0.4293, 0.4973

Inverse Universe

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



5.1167, 0.1858, 0.1314



5.8083, 0.1637, 0.0918



5.3056, 0.2207, 0.1299



5.3519, 0.2990, 0.3090



2.1258, 0.1531, 0.0712



0.0365, 0.1658, 0.1169

Previews

White Background



This preview shows how the Yxy color 22.2394, 0.4178, 0.4678 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 22.2394, 0.4178, 0.4678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

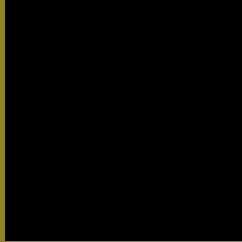
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2394, 0.4178, 0.4678

Background



This preview shows how black text looks on a background with the Yxy color 22.2394, 0.4178, 0.4678.



This preview shows how white text looks on a background with the Yxy color 22.2394, 0.4178, 0.4678.

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

22.2394, 0.4178, 0.4678

Protanopia

22.1522, 0.4215, 0.4650

Deuteranopia

22.0368, 0.4487, 0.4403



Tritanopia

22.0690, 0.3357, 0.3125

Trichromacy



Original Color

22.2394, 0.4178, 0.4678

Protanomaly

22.0617, 0.4202, 0.4658

Deuteranomaly

22.0721, 0.4372, 0.4503

Tritanomaly

21.7711, 0.3711, 0.3737

Monochromacy



Original Color

22.2394, 0.4178, 0.4678

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.8122, 0.3553, 0.3898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2394, 0.4178, 0.4678 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(143, 131, 42)` looks like.

```
.text, #text, p{  
    color:rgb(143, 131, 42)  
}
```

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(143, 131, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 131, 42) }
```

Border

The CSS property to change the border of an element to Yxy 22.2394, 0.4178, 0.4678 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(143, 131, 42) }
```

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

```
.border{ border-color:rgb(143, 131, 42) }
```

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

Here you see how a box with a 4 pixel rgb(143, 131, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 131, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 131, 42);  
box-shadow:4px 4px 4px 4px rgb(143, 131,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2394, 0.4178, 0.4678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 131, 42) }
```

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

```
.background{ background-color: rgb(143,  
131, 42) }
```

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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