

Converting Colors

$Y_{xy}(21.9189, 0.3501, 0.4490)$

Have a look what the booklet for
Yxy(21.9189, 0.3501, 0.4490)
contains.

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Color

Yxy(21.9631, 0.3501, 0.4491)

Conversions

Conversions Part 1

Format	Color
Hex	72894A
RGB	114, 137, 74
RGB Percent	45%, 54%, 29%
CMY	0.5530, 0.4627, 0.7097
CMYK	0.17, 0.00, 0.46, 0.46
HSL	82°, 30%, 41%
HSV	82°, 46%, 54%
XYZ	17.1215, 21.9631, 9.8201
YIQ	122.9410, 6.5150, -24.4690

Conversions

Conversions Part 2

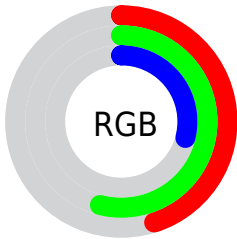
Format	Color
RYB	74, 137, 97
Decimal	7506250
CIELab	53.99, -19.29, 30.98
CIElCh	54, 36.492, 121.909
Yxy	21.9631, 0.3501, 0.4491
Android (android.graphics.Color)	4285696330 (0xFF72894A)
YUV	122.9410, -24.1279, -7.8413
Hunter-Lab	46.8648, -16.8004, 20.3817

Details

The Yxy color **21.9631, 0.3501, 0.4491** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9.2507, 0.2588, 0.2012**, and the grayscale version is **19.8673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4976, 0.3437, 0.4207**, and **7.9855, 0.3579, 0.4996** is the 20% darker color. If you saturate the color by 10%, you get **21.4725, 0.3559, 0.4754**, and if you desaturate by 10%, it is **22.5142, 0.3430, 0.4218**.

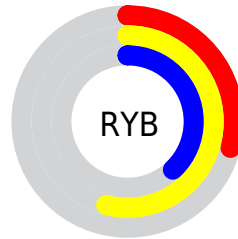
Distribution



Red (45%)

Green (54%)

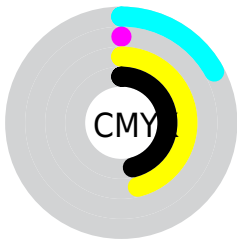
Blue (29%)



Red (29%)

Yellow (54%)

Blue (38%)

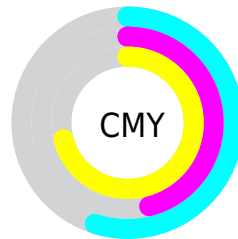


Cyan (17%)

Magenta (0%)

Yellow (46%)

Black (46%)



Cyan (55%)


Magenta (46%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9631, 0.3501, 0.4491 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 21.9631, 0.3501, 0.4491 by changing the saturation by 10% instead.


 21.9631, 0.3501,
0.4491


 21.9631, 0.3501,
0.4491

262.3535, 0.3313,
0.3796


 13.8298, 0.3540,
0.4700

 46.6850, 0.3436,
0.4213

 8.0024, 0.3580,
0.4991


 64.0424, 0.3410,
0.4116


 4.0965, 0.3612,
0.5426

 85.2432, 0.3388,
0.4038

 1.7277, 0.3692,
0.6308

 110.6720, 0.3369,
0.3972

 0.4415, 0.0000,
1.0000

 140.7130, 0.3352,
0.3918

 0.0000, 0.0000,
0.0000

175.7506, 0.3338,

0.3871

216.1693, 0.3325,
0.3831

■ 21.9631, 0.3501,
0.4491

■ 21.9631, 0.3501,
0.4491

■ 21.4725, 0.3559,
0.4754

■ 22.5142, 0.3430,
0.4218

■ 21.0366, 0.3600,
0.4996

■ 23.1257, 0.3349,
0.3946

■ 20.6531, 0.3620,
0.5205


■ 23.8009, 0.3264,
0.3682


■ 20.3184, 0.3616,
0.5372

■ 24.5422, 0.3178,
0.3431


■ 20.0267, 0.3592,
0.5494


■ 25.3518, 0.3093,
0.3198

 19.9161, 0.3580,
0.5539

 26.2318, 0.3011,
0.2983

 27.1842, 0.2932,
0.2788

 28.2108, 0.2859,
0.2611

 29.3135, 0.2790,
0.2451

Harmonies

Analogous

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



21.9631, 0.4067, 0.4331



21.9631, 0.3501, 0.4491



21.9631, 0.2866, 0.4230

Triad

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



21.9631, 0.3501, 0.4491



21.9631, 0.1988, 0.2493



21.9631, 0.3943, 0.2946

Complementary

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



21.9631, 0.3501, 0.4491



9.2507, 0.2588, 0.2012

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.



21.9631, 0.3294, 0.2556



21.9631, 0.3501, 0.4491



21.9631, 0.2203, 0.2290

Square

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



21.9631, 0.3501, 0.4491



21.9631, 0.2028, 0.2954



21.9631, 0.2659, 0.2322



21.9631, 0.4364, 0.3425

Rectangle

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



21.9631, 0.3501, 0.4491



21.9631, 0.2490, 0.3840



21.9631, 0.2659, 0.2322



21.9631, 0.3740, 0.2802

Sweetspot

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



21.9641, 0.3501, 0.4491



42.8330, 0.3250, 0.3639



14.1917, 0.4107, 0.3703



9.5532, 0.3266, 0.3688



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.



21.9641, 0.3501, 0.4491



38.4313, 0.3561, 0.4760



20.2475, 0.3156, 0.4633



5.7551, 0.3206, 0.3510



18.5579, 0.3582, 0.5538



0.1316, 0.3869, 0.5310

Inverse Universe

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



9.2507, 0.2588, 0.2012



12.7455, 0.2433, 0.1703



11.2624, 0.3035, 0.2163



4.9754, 0.3044, 0.3068



2.3216, 0.1817, 0.0775



0.0232, 0.2302, 0.1042

Previews

White Background



This preview shows how the Yxy color 21.9631, 0.3501, 0.4491 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 21.9631, 0.3501, 0.4491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

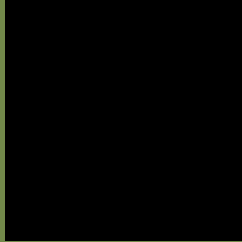
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9631, 0.3501, 0.4491

Background



This preview shows how black text looks on a background with the Yxy color 21.9631, 0.3501, 0.4491.



This preview shows how white text looks on a background with the Yxy color 21.9631, 0.3501, 0.4491.

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

21.9631, 0.3501, 0.4491

Protanopia

21.9062, 0.3936, 0.4280

Deuteranopia

21.7697, 0.4102, 0.4034



Tritanopia

22.0697, 0.2945, 0.3112

Trichromacy



Original Color

21.9631, 0.3501, 0.4491

Protanomaly

21.8759, 0.3775, 0.4361

Deuteranomaly

21.6229, 0.3878, 0.4191

Tritanomaly

22.0291, 0.3158, 0.3607

Monochromacy



Original Color

21.9631, 0.3501, 0.4491

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.4513, 0.3286, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9631, 0.3501, 0.4491 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(114, 137, 74)` looks like.

```
.text, #text, p{  
    color:rgb(114, 137, 74)  
}
```

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(114, 137, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 137, 74) }
```

Border

The CSS property to change the border of an element to Yxy 21.9631, 0.3501, 0.4491 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(114, 137, 74) }
```

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

```
.border{ border-color:rgb(114, 137, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 137, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 137, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 137, 74);  
box-shadow:4px 4px 4px 4px rgb(114, 137,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9631, 0.3501, 0.4491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 137, 74) }
```

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

```
.background{ background-color: rgb(114,  
137, 74) }
```

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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