

Converting Colors

$Y_{xy}(14.9899, 0.3959, 0.4201)$

Have a look what the booklet for
Yxy(14.9899, 0.3959, 0.4201)
contains.

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Color

Yxy(14.9899, 0.3959, 0.4201)

Conversions

Conversions Part 1

Format	Color
Hex	7A6B3D
RGB	122, 107, 61
RGB Percent	48%, 42%, 24%
CMY	0.5216, 0.5804, 0.7607
CMYK	0.00, 0.12, 0.50, 0.52
HSL	45°, 33%, 36%
HSV	45°, 50%, 48%
XYZ	14.1264, 14.9899, 6.5654
YIQ	106.2410, 23.7060, -11.1260

Conversions

Conversions Part 2

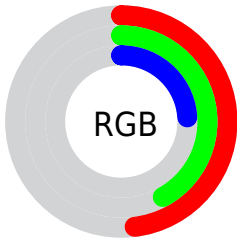
Format	Color
RYB	81, 122, 61
Decimal	8022845
CIELab	45.62, -0.75, 27.82
CIELCh	46, 27.825, 91.553
Yxy	14.9899, 0.3959, 0.4201
Android (android.graphics.Color)	4286212925 (0xFF7A6B3D)
YUV	106.2410, -22.3038, 13.8206
Hunter-Lab	38.7168, -2.6260, 17.0476

Details

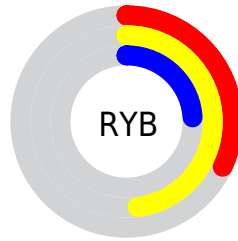
The Yxy color **14.9899, 0.3959, 0.4201** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.5682, 0.2290, 0.2160**, and the grayscale version is **14.5409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7880, 0.3775, 0.3993**, and **4.6087, 0.4278, 0.4577** is the 20% darker color. If you saturate the color by 10%, you get **14.2589, 0.4135, 0.4359**, and if you desaturate by 10%, it is **15.7740, 0.3779, 0.4025**.

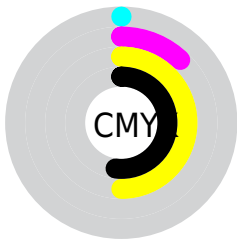
Distribution



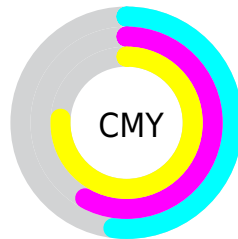
- Red (48%)
- Green (42%)
- Blue (24%)



- Red (32%)
- Yellow (48%)
- Blue (24%)



- Cyan (0%)
- Magenta (12%)
- Yellow (50%)
- Black (52%)




- Cyan (52%)
- Magenta (58%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9899, 0.3959, 0.4201 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 14.9899, 0.3959, 0.4201 by changing the saturation by 10% instead.


 14.9899, 0.3959,
0.4201

 14.9899, 0.3959,
0.4201


223.3051, 0.3477,
0.3671


 8.8123, 0.4100,
0.4358

 34.8355, 0.3767,
0.3989


 4.6190, 0.4288,
0.4569

 49.2722, 0.3700,
0.3915


 2.0255, 0.4831,
0.5169

 67.2308, 0.3646,
0.3855

 0.6222, 0.4794,
0.5206

 89.0956, 0.3600,
0.3806

 0.0000, 0.0000,
0.0000

 115.2511, 0.3562,
0.3764

 146.0815, 0.3529,

0.3728

181.9714, 0.3501,
0.3698

■ 14.9899, 0.3959,
0.4201

■ 14.9899, 0.3959,
0.4201

■ 14.2589, 0.4135,
0.4359

■ 15.7740, 0.3779,
0.4025

■ 13.5765, 0.4302,
0.4490

■ 16.6110, 0.3603,
0.3839

■ 12.9410, 0.4451,
0.4585

■ 17.5038, 0.3434,
0.3652

■ 12.3493, 0.4576,
0.4637

■ 18.4539, 0.3274,
0.3467

■ 11.7921, 0.4686,
0.4661

■ 19.4632, 0.3127,
0.3290

■ 11.7915, 0.4686,
0.4661

■ 20.5332, 0.2992,
0.3122

■ 21.6654, 0.2869,
0.2965

■ 22.8614, 0.2758,
0.2819

■ 24.1225, 0.2659,
0.2685

Harmonies

Analogous

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



14.9899, 0.4236, 0.3851



14.9899, 0.3959, 0.4201



14.9899, 0.3470, 0.4323

Triad

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



14.9899, 0.3959, 0.4201



14.9899, 0.2163, 0.3013



14.9899, 0.3269, 0.2640

Complementary

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



14.9899, 0.3959, 0.4201



7.5682, 0.2290, 0.2160

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.



14.9899, 0.2715, 0.2434



14.9899, 0.3959, 0.4201



14.9899, 0.2121, 0.2602

Square

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



14.9899, 0.3959, 0.4201



14.9899, 0.2441, 0.3579



14.9899, 0.2312, 0.2412



14.9899, 0.3828, 0.2988

Rectangle

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



14.9899, 0.3959, 0.4201



14.9899, 0.3097, 0.4212



14.9899, 0.2312, 0.2412



14.9899, 0.3075, 0.2553

Sweetspot

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



14.9906, 0.3959, 0.4201



31.5548, 0.3359, 0.3566



8.0020, 0.4099, 0.2979



7.1512, 0.3386, 0.3597



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



14.9906, 0.3959, 0.4201



24.9051, 0.4160, 0.4380



17.3669, 0.3618, 0.4541



4.4749, 0.3260, 0.3451



12.4011, 0.4687, 0.4660



57.7653, 0.4719, 0.4635

Inverse Universe

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



7.5682, 0.2290, 0.2160



10.2835, 0.2087, 0.1847



6.2913, 0.2430, 0.1868



4.0390, 0.2994, 0.3124



2.4452, 0.1592, 0.0931



10.5112, 0.1570, 0.0852

Previews

White Background



This preview shows how the Yxy color 14.9899, 0.3959, 0.4201 looks on a white 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

Black Background



This preview shows how the Yxy color 14.9899, 0.3959, 0.4201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

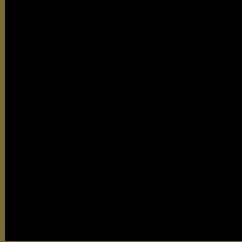
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9899, 0.3959, 0.4201

Background



This preview shows how black text looks on a background with the Yxy color 14.9899, 0.3959, 0.4201.

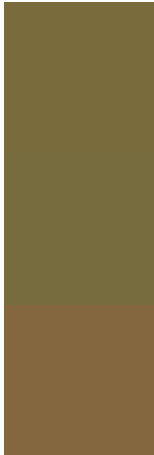


This preview shows how white text looks on a background with the Yxy color 14.9899, 0.3959, 0.4201.

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

14.9899, 0.3959, 0.4201

Protanopia

14.9840, 0.3905, 0.4236

Deuteranopia

14.9538, 0.4137, 0.4060



Tritanopia

14.9235, 0.3397, 0.3136

Trichromacy



Original Color

14.9899, 0.3959, 0.4201

Protanomaly

15.0551, 0.3920, 0.4230

Deuteranomaly

14.8376, 0.4066, 0.4098

Tritanomaly

14.8332, 0.3606, 0.3510

Monochromacy



Original Color

14.9899, 0.3959, 0.4201

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.4910, 0.3427, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9899, 0.3959, 0.4201 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(122, 107, 61)` looks like.

```
.text, #text, p{  
    color:rgb(122, 107, 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(122, 107, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 107, 61) }
```

Border

The CSS property to change the border of an element to Yxy 14.9899, 0.3959, 0.4201 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(122, 107, 61) }
```

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

```
.border{ border-color:rgb(122, 107, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 107, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 107, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 107, 61);  
box-shadow:4px 4px 4px 4px rgb(122, 107,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9899, 0.3959, 0.4201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 107, 61) }
```

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

```
.background{ background-color: rgb(122,  
107, 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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