

Converting Colors

$Y_{xy}(29.9815, 0.3955, 0.4305)$

Have a look what the booklet for
Yxy(29.9815, 0.3955, 0.4305)
contains.

Yxy(29.9815, 0.3955, 0.4305)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.9815, 0.3955, 0.4305)

Conversions

Conversions Part 1

Format	Color
Hex	A49551
RGB	164, 149, 81
RGB Percent	64%, 58%, 32%
CMY	0.3568, 0.4157, 0.6824
CMYK	0.00, 0.09, 0.51, 0.36
HSL	49°, 34%, 48%
HSV	49°, 51%, 64%
XYZ	27.5440, 29.9815, 12.1180
YIQ	145.7330, 30.7680, -17.9680

Conversions

Conversions Part 2

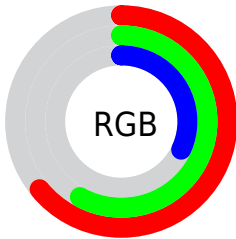
Format	Color
RYB	99, 164, 81
Decimal	10786129
CIELab	61.64, -3.77, 37.66
CIELCh	62, 37.845, 95.719
Yxy	29.9815, 0.3955, 0.4305
Android (android.graphics.Color)	4288976209 (0xFFA49551)
YUV	145.7330, -31.9134, 16.0202
Hunter-Lab	54.7554, -6.0298, 25.2072

Details

The Yxy color **29.9815, 0.3955, 0.4305** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.7959, 0.2234, 0.2002**, and the grayscale version is **28.7541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7500, 0.3802, 0.4106**, and **12.3485, 0.4175, 0.4616** is the 20% darker color. If you saturate the color by 10%, you get **28.8394, 0.4115, 0.4472**, and if you desaturate by 10%, it is **31.2097, 0.3786, 0.4115**.

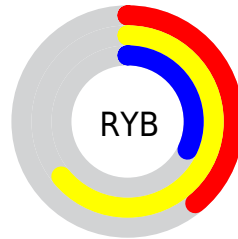
Distribution



Red (64%)

Green (58%)

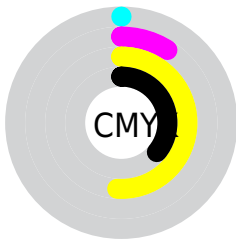
Blue (32%)



Red (39%)

Yellow (64%)

Blue (32%)

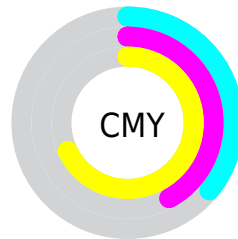


Cyan (0%)

Magenta (9%)

Yellow (51%)

Black (36%)



Cyan (36%)


Magenta (42%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9815, 0.3955, 0.4305 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 29.9815, 0.3955, 0.4305 by changing the saturation by 10% instead.


 29.9815, 0.3955,
0.4305


 29.9815, 0.3955,
0.4305


301.8182, 0.3528,
0.3771


 19.8245, 0.4059,
0.4440


 59.6329, 0.3800,
0.4108

 12.2676, 0.4186,
0.4611


 79.8962, 0.3742,
0.4034

 6.9262, 0.4339,
0.4826


 104.2970, 0.3692,
0.3972

 3.4160, 0.4697,
0.5303

 133.2198, 0.3650,
0.3920

 1.3526, 0.4632,
0.5368

 167.0489, 0.3613,
0.3875

 0.1814, 0.3069,
0.6931

206.1687, 0.3581,

 0.0000, 0.0000,

0.3835

0.0000

250.9637, 0.3553,
0.3801

■ 29.9815, 0.3955,
0.4305

■ 29.9815, 0.3955,
0.4305

■ 28.8394, 0.4115,
0.4472

■ 31.2097, 0.3786,
0.4115

■ 27.7747, 0.4260,
0.4607

■ 32.5240, 0.3615,
0.3913

■ 26.7837, 0.4383,
0.4703

■ 33.9294, 0.3447,
0.3705

■ 25.8603, 0.4479,
0.4754

■ 35.4294, 0.3287,
0.3500

■ 25.0428, 0.4549,
0.4770

■ 37.0274, 0.3136,
0.3302

■ 38.7264, 0.2997,
0.3114

■ 40.5293, 0.2869,
0.2938

■ 42.4389, 0.2753,
0.2775

■ 44.4578, 0.2649,
0.2625

Harmonies

Analogous

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



29.9815, 0.4298, 0.3945



29.9815, 0.3955, 0.4305



29.9815, 0.3408, 0.4401

Triad

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



29.9815, 0.3955, 0.4305



29.9815, 0.2073, 0.2912



29.9815, 0.3366, 0.2638

Complementary

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



29.9815, 0.3955, 0.4305



12.7959, 0.2234, 0.2002

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.



29.9815, 0.2758, 0.2395



29.9815, 0.3955, 0.4305



29.9815, 0.2065, 0.2506

Square

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



29.9815, 0.3955, 0.4305



29.9815, 0.2333, 0.3511



29.9815, 0.2300, 0.2340



29.9815, 0.3956, 0.3023

Rectangle

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



29.9815, 0.3955, 0.4305



29.9815, 0.3007, 0.4246



29.9815, 0.2300, 0.2340



29.9815, 0.3155, 0.2539

Sweetspot

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



29.9829, 0.3955, 0.4305



63.0091, 0.3360, 0.3595



14.6259, 0.4257, 0.3055



13.6568, 0.3393, 0.3636



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



29.9829, 0.3955, 0.4305



52.0359, 0.4139, 0.4495



32.5285, 0.3576, 0.4617



8.0184, 0.3266, 0.3473



19.2619, 0.4545, 0.4773



0.4582, 0.4398, 0.4890

Inverse Universe

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



12.7959, 0.2234, 0.2002



17.2781, 0.2018, 0.1656



11.7077, 0.2459, 0.1829



7.0575, 0.2987, 0.3100



2.8064, 0.1553, 0.0791



0.1132, 0.1710, 0.1354

Previews

White Background



This preview shows how the Yxy color 29.9815, 0.3955, 0.4305 looks on a white background.

Color Contrast Check

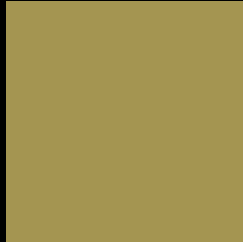
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9815, 0.3955, 0.4305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

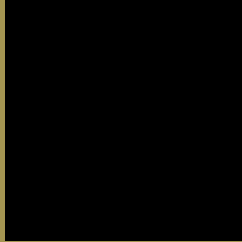
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 29.9815, 0.3955, 0.4305

Background



This preview shows how black text looks on a background with the Yxy color 29.9815, 0.3955, 0.4305.



This preview shows how white text looks on a background with the Yxy color 29.9815, 0.3955, 0.4305.

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

29.9815, 0.3955, 0.4305

Protanopia

29.9815, 0.3955, 0.4305

Deuteranopia

29.9156, 0.4194, 0.4110



Tritanopia

29.9747, 0.3340, 0.3130

Trichromacy



Original Color

29.9815, 0.3955, 0.4305

Protanomaly

29.9815, 0.3955, 0.4305

Deuteranomaly

29.9740, 0.4100, 0.4191

Tritanomaly

29.7777, 0.3576, 0.3563

Monochromacy



Original Color

29.9815, 0.3955, 0.4305

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.0449, 0.3441, 0.3690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9815, 0.3955, 0.4305 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(164, 149, 81)` looks like.

```
.text, #text, p{  
    color:rgb(164, 149, 81)  
}
```

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(164, 149, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 149, 81) }
```

Border

The CSS property to change the border of an element to Yxy 29.9815, 0.3955, 0.4305 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(164, 149, 81) }
```

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

```
.border{ border-color:rgb(164, 149, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 149, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 149, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 149, 81);  
box-shadow:4px 4px 4px 4px rgb(164, 149,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9815, 0.3955, 0.4305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 149, 81) }
```

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

```
.background{ background-color: rgb(164,  
149, 81) }
```

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