

Converting Colors

$Y_{xy}(29.8953, 0.3919, 0.4336)$

Have a look what the booklet for
Yxy(29.8953, 0.3919, 0.4336)
contains.

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Color

Yxy(29.9689, 0.3922, 0.4345)

Conversions

Conversions Part 1

Format	Color
Hex	A19650
RGB	161, 150, 80
RGB Percent	63%, 59%, 31%
CMY	0.3687, 0.4117, 0.6862
CMYK	0.00, 0.07, 0.50, 0.37
HSL	52°, 34%, 47%
HSV	52°, 50%, 63%
XYZ	27.0513, 29.9689, 11.9531
YIQ	145.3090, 29.0260, -19.4380

Conversions

Conversions Part 2

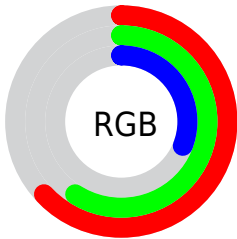
Format	Color
R_{YB}	93, 161, 80
Decimal	10589776
CIE Lab	61.63, -5.71, 38.08
CIE LCh	62, 38.502, 98.527
Yxy	29.9689, 0.3922, 0.4345
Android (android.graphics.Color)	4288779856 (0xFFA19650)
YUV	145.3090, -32.1973, 13.7610
Hunter-Lab	54.7439, -7.5971, 25.3750

Details

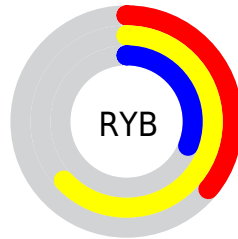
The Yxy color **29.9689, 0.3922, 0.4345** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.7632, 0.2228, 0.1944**, and the grayscale version is **28.5735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5761, 0.3771, 0.4137**, and **12.1538, 0.4135, 0.4660** is the 20% darker color. If you saturate the color by 10%, you get **29.0695, 0.4070, 0.4519**, and if you desaturate by 10%, it is **30.9411, 0.3763, 0.4147**.

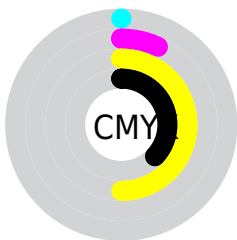
Distribution



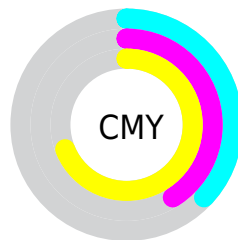
- Red (63%)
- Green (59%)
- Blue (31%)



- Red (36%)
- Yellow (63%)
- Blue (31%)



- Cyan (0%)
- Magenta (7%)
- Yellow (50%)
- Black (37%)





- Cyan (37%)
- Magenta (41%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9689, 0.3922, 0.4345 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 29.9689, 0.3922, 0.4345 by changing the saturation by 10% instead.

 29.9689, 0.3922,
0.4345


 29.9689, 0.3922,
0.4345


301.7595, 0.3515,
0.3787


 19.8150, 0.4020,
0.4488


 59.6130, 0.3775,
0.4138

 12.2606, 0.4139,
0.4669


 79.8720, 0.3719,
0.4061

 6.9214, 0.4278,
0.4899


 104.2681, 0.3672,
0.3996

 3.4130, 0.4605,
0.5395

 133.1857, 0.3631,
0.3942

 1.3510, 0.4506,
0.5494

 167.0093, 0.3596,
0.3895

 0.1802, 0.1503,
0.8497

206.1231, 0.3565,

 0.0000, 0.0000,

0.3854

0.0000

250.9117, 0.3538,
0.3818

■ 29.9689, 0.3922,
0.4345

■ 29.9689, 0.3922,
0.4345

■ 29.0695, 0.4070,
0.4519

■ 30.9411, 0.3763,
0.4147

■ 28.2346, 0.4202,
0.4661

■ 31.9857, 0.3599,
0.3936

■ 27.4606, 0.4310,
0.4764

■ 33.1076, 0.3437,
0.3719

■ 26.7422, 0.4392,
0.4823

■ 34.3100, 0.3280,
0.3504

■ 26.0850, 0.4451,
0.4848

■ 35.5959, 0.3131,
0.3296

■ 36.9683, 0.2993,
0.3098

■ 38.4297, 0.2865,
0.2913

■ 39.9828, 0.2748,
0.2741

■ 41.6299, 0.2642,
0.2583

Harmonies

Analogous

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



29.9689, 0.4297, 0.3995



29.9689, 0.3922, 0.4345



29.9689, 0.3354, 0.4411

Triad

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



29.9689, 0.3922, 0.4345



29.9689, 0.2045, 0.2856



29.9689, 0.3430, 0.2660

Complementary

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



29.9689, 0.3922, 0.4345



11.7632, 0.2228, 0.1944

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.



29.9689, 0.2804, 0.2397



29.9689, 0.3922, 0.4345



29.9689, 0.2061, 0.2467

Square

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



29.9689, 0.3922, 0.4345



29.9689, 0.2284, 0.3453



29.9689, 0.2321, 0.2322



29.9689, 0.4018, 0.3059

Rectangle

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



29.9689, 0.3922, 0.4345



29.9689, 0.2947, 0.4228



29.9689, 0.2321, 0.2322



29.9689, 0.3215, 0.2554

Sweetspot

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



29.9703, 0.3922, 0.4345



60.3624, 0.3358, 0.3611



14.0929, 0.4291, 0.3100



13.1458, 0.3389, 0.3654



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.9703, 0.3922, 0.4345



51.9396, 0.4082, 0.4533



31.0237, 0.3545, 0.4619



8.0727, 0.3265, 0.3483



20.8798, 0.4449, 0.4850



0.4810, 0.4344, 0.4933

Inverse Universe

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



11.7632, 0.2228, 0.1944



15.7178, 0.2020, 0.1606



11.5251, 0.2498, 0.1854



7.0077, 0.2987, 0.3090



2.5455, 0.1535, 0.0726



0.0957, 0.1663, 0.1186

Previews

White Background



This preview shows how the Yxy color 29.9689, 0.3922, 0.4345 looks on a white background.

Color Contrast Check

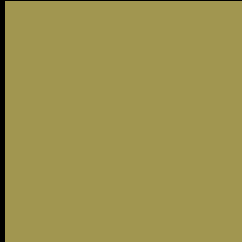
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9689, 0.3922, 0.4345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

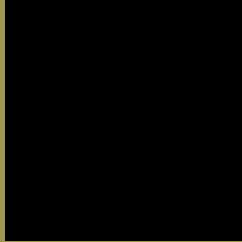
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9689, 0.3922, 0.4345

Background



This preview shows how black text looks on a background with the Yxy color 29.9689, 0.3922, 0.4345.



This preview shows how white text looks on a background with the Yxy color 29.9689, 0.3922, 0.4345.

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

29.9689, 0.3922, 0.4345

Protanopia

29.9666, 0.3964, 0.4318

Deuteranopia

29.9003, 0.4203, 0.4122



Tritanopia

29.9707, 0.3296, 0.3128

Trichromacy



Original Color

29.9689, 0.3922, 0.4345

Protanomaly

29.8606, 0.3952, 0.4323

Deuteranomaly

29.8435, 0.4098, 0.4208

Tritanomaly

29.7565, 0.3539, 0.3581

Monochromacy



Original Color

29.9689, 0.3922, 0.4345

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.8272, 0.3428, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9689, 0.3922, 0.4345 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(161, 150, 80)` looks like.

```
.text, #text, p{  
    color:rgb(161, 150, 80)  
}
```

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(161, 150, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 150, 80) }
```

Border

The CSS property to change the border of an element to Yxy 29.9689, 0.3922, 0.4345 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(161, 150, 80) }
```

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

```
.border{ border-color:rgb(161, 150, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 150, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 150, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 150, 80);  
box-shadow:4px 4px 4px 4px rgb(161, 150,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9689, 0.3922, 0.4345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 150, 80) }
```

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

```
.background{ background-color: rgb(161,  
150, 80) }
```

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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