

Converting Colors

$Y_{xy}(34.9299, 0.4320, 0.4927)$

Have a look what the booklet for
Yxy(34.9299, 0.4320, 0.4927)
contains.

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Color

Yxy(34.9700, 0.4319, 0.4929)

Conversions

Conversions Part 1

Format	Color
Hex	AFA207
RGB	175, 162, 7
RGB Percent	69%, 64%, 3%
CMY	0.3136, 0.3647, 0.9726
CMYK	0.00, 0.07, 0.96, 0.31
HSL	55°, 92%, 36%
HSV	55°, 96%, 69%
XYZ	30.6422, 34.9700, 5.3352
YIQ	148.2170, 57.5030, -45.4490

Conversions

Conversions Part 2

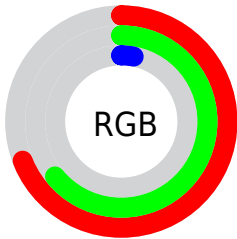
Format	Color
R _Y B	21, 175, 7
Decimal	11510279
CIE Lab	65.73, -9.42, 67.72
CIE LCh	66, 68.372, 97.919
Yxy	34.9700, 0.4319, 0.4929
Android (android.graphics.Color)	4289700359 (0xFFAFA207)
YUV	148.2170, -69.6200, 23.4887
Hunter-Lab	59.1354, -10.9937, 36.0456

Details

The Yxy color **34.9700, 0.4319, 0.4929** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.6424, 0.1537, 0.0693**, and the grayscale version is **29.9902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1542, 0.4156, 0.4662**, and **15.2204, 0.4296, 0.4971** is the 20% darker color. If you saturate the color by 10%, you get **34.7657, 0.4335, 0.4940**, and if you desaturate by 10%, it is **35.5051, 0.4270, 0.4888**.

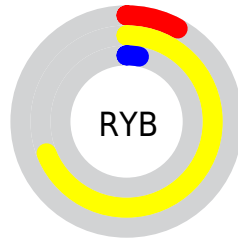
Distribution



Red (69%)

Green (64%)

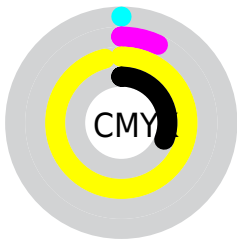
Blue (3%)



Red (8%)

Yellow (69%)

Blue (3%)

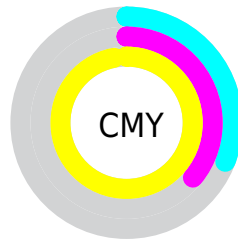


Cyan (0%)

Magenta (7%)

Yellow (96%)

Black (31%)



Cyan (31%)


Magenta (36%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9700, 0.4319, 0.4929 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 34.9700, 0.4319, 0.4929 by changing the saturation by 10% instead.

 34.9700, 0.4319,
0.4929


 34.9700, 0.4319,
0.4929


324.4359, 0.3789,
0.4142

 23.6398, 0.4404,
0.5084


 67.4393, 0.4157,
0.4668

 15.0666, 0.4479,
0.5250


 89.3471, 0.4085,
0.4561

 8.8662, 0.4550,
0.5450


 115.5496, 0.4021,
0.4467

 4.6540, 0.4472,
0.5528

 146.4312, 0.3964,
0.4385

 2.0457, 0.4342,
0.5658

 182.3762, 0.3913,
0.4313

 0.6338, 0.3701,
0.6299

 223.7691, 0.3867,

 0.0000, 0.0000,

0.4249

0.0000

270.9942, 0.3826,
0.4193

34.9700, 0.4319,
0.4929

34.9700, 0.4319,
0.4929

34.7657, 0.4335,
0.4940

35.5051, 0.4270,
0.4888

36.0901, 0.4196,
0.4806

36.7351, 0.4095,
0.4681

37.4462, 0.3972,
0.4518

38.2292, 0.3832,
0.4324

■ 39.0887, 0.3680,
0.4109

■ 40.0293, 0.3524,
0.3882

■ 41.0550, 0.3367,
0.3651

■ 42.1696, 0.3215,
0.3423

Harmonies

Analogous

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



34.9700, 0.4984, 0.4245



34.9700, 0.4319, 0.4929



34.9700, 0.3408, 0.5248

Triad

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



34.9700, 0.4319, 0.4929



34.9700, 0.1458, 0.2526



34.9700, 0.3580, 0.2293

Complementary

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



34.9700, 0.4319, 0.4929



3.6424, 0.1537, 0.0693

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.



34.9700, 0.2557, 0.1919



34.9700, 0.4319, 0.4929



34.9700, 0.1492, 0.1971

Square

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



34.9700, 0.4319, 0.4929



34.9700, 0.1774, 0.3542



34.9700, 0.1849, 0.1798



34.9700, 0.4608, 0.2861

Rectangle

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



34.9700, 0.4319, 0.4929



34.9700, 0.2773, 0.5001



34.9700, 0.1849, 0.1798



34.9700, 0.3216, 0.2143

Sweetspot

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



34.9717, 0.4319, 0.4929



71.0618, 0.3579, 0.3962



9.3229, 0.6217, 0.3239



15.6384, 0.3644, 0.4057



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



34.9717, 0.4319, 0.4929



62.0967, 0.4338, 0.4938



33.6893, 0.3506, 0.5571



9.2223, 0.3265, 0.3497



24.9296, 0.4333, 0.4941



0.7242, 0.4286, 0.4979

Inverse Universe

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



3.6424, 0.1537, 0.0693



5.9630, 0.1511, 0.0641



4.8260, 0.1921, 0.0852



7.8533, 0.2985, 0.3074



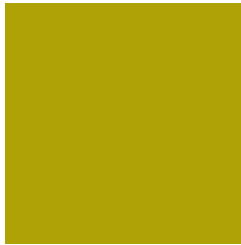
2.4715, 0.1517, 0.0661



0.1003, 0.1589, 0.0918

Previews

White Background



This preview shows how the Yxy color 34.9700, 0.4319, 0.4929 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 34.9700, 0.4319, 0.4929 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 34.9700, 0.4319, 0.4929

Background



This preview shows how black text looks on a background with the Yxy color 34.9700, 0.4319, 0.4929.



This preview shows how white text looks on a background with the Yxy color 34.9700, 0.4319, 0.4929.

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

34.9700, 0.4319, 0.4929

Protanopia

34.8559, 0.4395, 0.4876

Deuteranopia

34.7516, 0.4683, 0.4574



Tritanopia

35.0561, 0.3368, 0.3141

Trichromacy



Original Color

34.9700, 0.4319, 0.4929

Protanomaly

34.9679, 0.4362, 0.4898

Deuteranomaly

34.6896, 0.4553, 0.4706

Tritanomaly

34.3071, 0.3873, 0.3981

Monochromacy



Original Color

34.9700, 0.4319, 0.4929

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.9146, 0.3717, 0.4156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9700, 0.4319, 0.4929 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(175, 162, 7)` looks like.

```
.text, #text, p{  
    color:rgb(175, 162, 7)  
}
```

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(175, 162, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 162, 7) }
```

Border

The CSS property to change the border of an element to Yxy 34.9700, 0.4319, 0.4929 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(175, 162, 7) }
```

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

```
.border{ border-color:rgb(175, 162, 7) }
```

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

Here you see how a box with a 4 pixel rgb(175, 162, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 162, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 162, 7);  
box-shadow:4px 4px 4px 4px rgb(175, 162,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9700, 0.4319, 0.4929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 162, 7) }
```

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

```
.background{ background-color: rgb(175,  
162, 7) }
```

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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