

Converting Colors

$Yxy(36.8829, 0.4417, 0.4875)$

Have a look what the booklet for
Yxy(36.8829, 0.4417, 0.4875)
contains.

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Color

Yxy(36.9900, 0.4418, 0.4874)

Conversions

Conversions Part 1

Format	Color
Hex	BAA400
RGB	186, 164, 0
RGB Percent	73%, 64%, 0%
CMY	0.2705, 0.3569, 0.9999
CMYK	0.00, 0.12, 1.00, 0.27
HSL	53°, 100%, 36%
HSV	53°, 100%, 73%
XYZ	33.5293, 36.9900, 5.3732
YIQ	151.8820, 65.7560, -46.3400

Conversions

Conversions Part 2

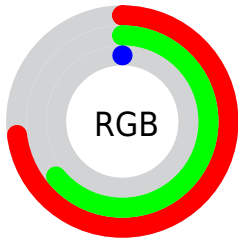
Format	Color
R _Y B	25, 186, 0
Decimal	12231680
CIE Lab	67.27, -5.63, 70.21
CIE LCh	67, 70.434, 94.585
Yxy	36.9900, 0.4418, 0.4874
Android (android.graphics.Color)	4290421760 (0xFFBAA400)
YUV	151.8820, -74.8778, 29.9215
Hunter-Lab	60.8194, -8.0282, 37.3355

Details

The Yxy color **36.9900, 0.4418, 0.4874** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.1225, 0.1524, 0.0686**, and the grayscale version is **31.6576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7777, 0.4238, 0.4641**, and **16.3994, 0.4408, 0.4882** is the 20% darker color. If you saturate the color by 10%, you get **36.9902, 0.4418, 0.4874**, and if you desaturate by 10%, it is **37.8328, 0.4365, 0.4851**.

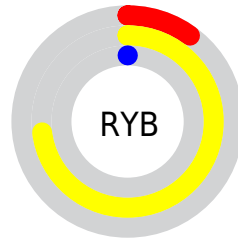
Distribution



Red (73%)

Green (64%)

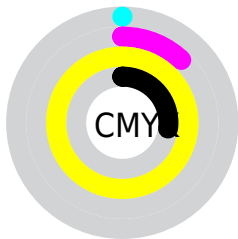
Blue (0%)



Red (10%)

Yellow (73%)

Blue (0%)

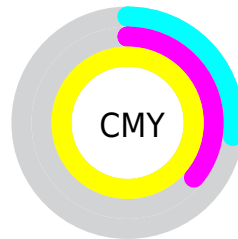


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9900, 0.4418, 0.4874 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 36.9900, 0.4418, 0.4874 by changing the saturation by 10% instead.


 36.9900, 0.4418,
0.4874


 36.9900, 0.4418,
0.4874


333.2672, 0.3845,
0.4138


 25.1997, 0.4512,
0.5010


 70.5574, 0.4242,
0.4637

 16.2259, 0.4599,
0.5151


 93.1033, 0.4165,
0.4537

 9.6842, 0.4687,
0.5313


 120.0033, 0.4096,
0.4449

 5.1901, 0.4644,
0.5356

 151.6417, 0.4034,
0.4372

 2.3592, 0.4574,
0.5426

 188.4029, 0.3979,
0.4303

 0.8048, 0.4381,
0.5619

 230.6713, 0.3929,

 0.0000, 0.0000,

0.4242

0.0000

278.8312, 0.3885,
0.4187

36.9900, 0.4418,
0.4874

36.9900, 0.4418,
0.4874

36.9902, 0.4418,
0.4874

37.8328, 0.4365,
0.4851

38.7312, 0.4290,
0.4792

39.7029, 0.4187,
0.4689

40.7561, 0.4061,
0.4545

41.8974, 0.3916,
0.4367

■ 43.1330, 0.3759,
0.4165

■ 44.4681, 0.3596,
0.3948

■ 45.9076, 0.3434,
0.3725

■ 47.4563, 0.3277,
0.3504

Harmonies

Analogous

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



36.9900, 0.5049, 0.4168



36.9900, 0.4418, 0.4874



36.9900, 0.3515, 0.5270

Triad

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



36.9900, 0.4418, 0.4874



36.9900, 0.1461, 0.2607



36.9900, 0.3460, 0.2231

Complementary

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



36.9900, 0.4418, 0.4874



4.1225, 0.1524, 0.0686

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.



36.9900, 0.2454, 0.1881



36.9900, 0.4418, 0.4874



36.9900, 0.1459, 0.1999

Square

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



36.9900, 0.4418, 0.4874



36.9900, 0.1821, 0.3681



36.9900, 0.1781, 0.1789



36.9900, 0.4525, 0.2785

Rectangle

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



36.9900, 0.4418, 0.4874



36.9900, 0.2871, 0.5095



36.9900, 0.1781, 0.1789



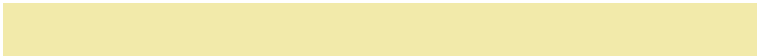
36.9900, 0.3097, 0.2088

Sweetspot

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



36.9918, 0.4418, 0.4874



80.4507, 0.3605, 0.3960



10.5121, 0.6228, 0.3205



17.4867, 0.3674, 0.4053



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



36.9918, 0.4418, 0.4874



66.7934, 0.4422, 0.4871



38.9665, 0.3564, 0.5552



10.3169, 0.3267, 0.3490



24.9513, 0.4415, 0.4877



0.9313, 0.4350, 0.4928

Inverse Universe

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



4.1225, 0.1524, 0.0686



7.2893, 0.1520, 0.0672



4.7841, 0.1793, 0.0761



8.8862, 0.2984, 0.3082



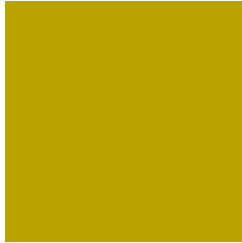
2.8315, 0.1528, 0.0699



0.1562, 0.1619, 0.1027

Previews

White Background



This preview shows how the Yxy color 36.9900, 0.4418, 0.4874 looks on a white background.

Color Contrast Check

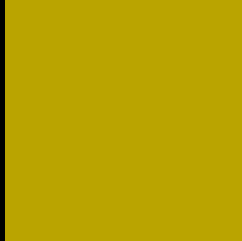
Large Text (above 18pt) WCAG AA × Fail

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 36.9900, 0.4418, 0.4874 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 36.9900, 0.4418, 0.4874

Background



This preview shows how black text looks on a background with the Yxy color 36.9900, 0.4418, 0.4874.



This preview shows how white text looks on a background with the Yxy color 36.9900, 0.4418, 0.4874.

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

36.9900, 0.4418, 0.4874

Protanopia

36.8718, 0.4404, 0.4876

Deuteranopia

36.7586, 0.4691, 0.4588



Tritanopia

36.7389, 0.3448, 0.3133

Trichromacy



Original Color

36.9900, 0.4418, 0.4874

Protanomaly

36.8696, 0.4405, 0.4878

Deuteranomaly

36.6249, 0.4594, 0.4693

Tritanomaly

35.9829, 0.4003, 0.3987

Monochromacy



Original Color

36.9900, 0.4418, 0.4874

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.5325, 0.3767, 0.4175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9900, 0.4418, 0.4874 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(186, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 164, 0)  
}
```

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(186, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 164, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.9900, 0.4418, 0.4874 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(186, 164, 0) }
```

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

```
.border{ border-color:rgb(186, 164, 0) }
```

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

Here you see how a box with a 4 pixel rgb(186, 164, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 164,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9900, 0.4418, 0.4874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 164, 0) }
```

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

```
.background{ background-color: rgb(186,  
164, 0) }
```

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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