

Converting Colors

$Y_{xy}(42.6760, 0.4226, 0.4637)$

Have a look what the booklet for
Yxy(42.6760, 0.4226, 0.4637)
contains.

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Color

Yxy(42.7220, 0.4225, 0.4639)

Conversions

Conversions Part 1

Format	Color
Hex	C4AF3C
RGB	196, 175, 60
RGB Percent	77%, 69%, 24%
CMY	0.2314, 0.3137, 0.7649
CMYK	0.00, 0.11, 0.69, 0.23
HSL	51°, 54%, 50%
HSV	51°, 69%, 77%
XYZ	38.9093, 42.7220, 10.4618
YIQ	168.1690, 49.4310, -31.3130

Conversions

Conversions Part 2

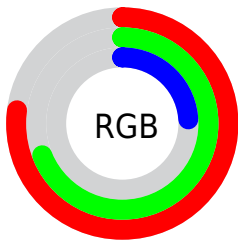
Format	Color
RYB	85, 196, 60
Decimal	12889916
CIELab	71.37, -5.32, 59.03
CIELCh	71, 59.267, 95.150
Yxy	42.7220, 0.4225, 0.4639
Android (android.graphics.Color)	4291079996 (0xFFC4AF3C)
YUV	168.1690, -53.3273, 24.4078
Hunter-Lab	65.3621, -8.1245, 36.2636

Details

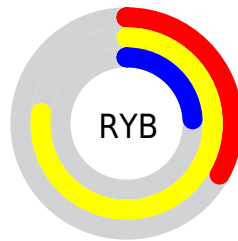
The Yxy color **42.7220, 0.4225, 0.4639** is a dark color, and the websafe version is hex **999933**. The color can be described as middle muted orange. A complement of this color would be **10.8195, 0.1866, 0.1368**, and the grayscale version is **39.4925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0685, 0.4054, 0.4417**, and **19.6549, 0.4406, 0.4884** is the 20% darker color. If you saturate the color by 10%, you get **41.3898, 0.4341, 0.4740**, and if you desaturate by 10%, it is **44.1614, 0.4086, 0.4497**.

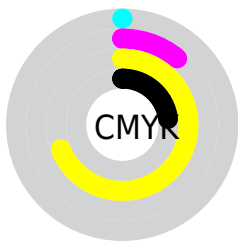
Distribution



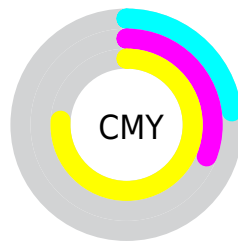
- Red (77%)
- Green (69%)
- Blue (24%)



- Red (33%)
- Yellow (77%)
- Blue (24%)



- Cyan (0%)
- Magenta (11%)
- Yellow (69%)
- Black (23%)





- Cyan (23%)
- Magenta (31%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7220, 0.4225, 0.4639 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 42.7220, 0.4225, 0.4639 by changing the saturation by 10% instead.


 42.7220, 0.4225,
0.4639

 42.7220, 0.4225,
0.4639

357.4672, 0.3719,
0.3995


 29.6671, 0.4325,
0.4775


 79.2912, 0.4058,
0.4421


 19.5860, 0.4432,
0.4929


 103.5742, 0.3990,
0.4333

 12.0945, 0.4540,
0.5098


 132.3687, 0.3930,
0.4258

 6.8081, 0.4675,
0.5325

 166.0591, 0.3877,
0.4191

 3.3423, 0.4622,
0.5378

 205.0297, 0.3831,
0.4133

 1.3130, 0.4528,
0.5472

249.6650, 0.3789,

 0.1512, 0.0840,

0.4082

0.9160

300.3494, 0.3752,
0.4036

■ 0.0000, 0.0000,
0.0000

■ 42.7220, 0.4225,
0.4639

■ 42.7220, 0.4225,
0.4639

■ 41.3898, 0.4341,
0.4740

■ 44.1614, 0.4086,
0.4497

■ 40.1495, 0.4429,
0.4796

■ 45.7096, 0.3930,
0.4323

■ 38.9869, 0.4492,
0.4812

■ 47.3755, 0.3765,
0.4125

■ 38.9204, 0.4496,
0.4812

■ 49.1653, 0.3596,
0.3914

■ 51.0847, 0.3429,
0.3698

■ 53.1389, 0.3269,
0.3484

■ 55.3328, 0.3119,
0.3278

■ 57.6711, 0.2979,
0.3083

■ 60.1582, 0.2851,
0.2901

Harmonies

Analogous

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



42.7220, 0.4718, 0.4096



42.7220, 0.4225, 0.4639



42.7220, 0.3479, 0.4867

Triad

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



42.7220, 0.4225, 0.4639



42.7220, 0.1728, 0.2749



42.7220, 0.3425, 0.2414

Complementary

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



42.7220, 0.4225, 0.4639



10.8195, 0.1866, 0.1368

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.



42.7220, 0.2597, 0.2107



42.7220, 0.4225, 0.4639



42.7220, 0.1722, 0.2225

Square

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



42.7220, 0.4225, 0.4639



42.7220, 0.2051, 0.3599



42.7220, 0.2012, 0.2030



42.7220, 0.4266, 0.2900

Rectangle

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



42.7220, 0.4225, 0.4639



42.7220, 0.2940, 0.4684



42.7220, 0.2012, 0.2030



42.7220, 0.3132, 0.2289

Sweetspot

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



42.7240, 0.4225, 0.4639



91.8594, 0.3461, 0.3739



15.5800, 0.5058, 0.3040



19.4505, 0.3507, 0.3800



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



42.7240, 0.4225, 0.4639



73.8623, 0.4387, 0.4773



46.3511, 0.3651, 0.5090



11.4850, 0.3268, 0.3483



25.1104, 0.4491, 0.4816



1.1580, 0.4414, 0.4877

Inverse Universe

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



10.8195, 0.1866, 0.1368



12.9110, 0.1658, 0.0989



10.2322, 0.2154, 0.1264



9.9933, 0.2983, 0.3089



3.2471, 0.1539, 0.0741



0.2217, 0.1637, 0.1093

Previews

White Background



This preview shows how the Yxy color 42.7220, 0.4225, 0.4639 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 42.7220, 0.4225, 0.4639 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 42.7220, 0.4225, 0.4639

Background



This preview shows how black text looks on a background with the Yxy color 42.7220, 0.4225, 0.4639.



This preview shows how white text looks on a background with the Yxy color 42.7220, 0.4225, 0.4639.

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

42.7220, 0.4225, 0.4639

Protanopia

42.7220, 0.4225, 0.4639

Deuteranopia

42.5367, 0.4497, 0.4403



Tritanopia

42.6646, 0.3408, 0.3141

Trichromacy



Original Color

42.7220, 0.4225, 0.4639

Protanomaly

42.7220, 0.4225, 0.4639

Deuteranomaly

42.4254, 0.4401, 0.4484

Tritanomaly

42.2831, 0.3762, 0.3728

Monochromacy



Original Color

42.7220, 0.4225, 0.4639

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.1758, 0.3559, 0.3876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7220, 0.4225, 0.4639 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(196, 175, 60)` looks like.

```
.text, #text, p{  
    color:rgb(196, 175, 60)  
}
```

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(196, 175, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 175, 60) }
```

Border

The CSS property to change the border of an element to Yxy 42.7220, 0.4225, 0.4639 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(196, 175, 60) }
```

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

```
.border{ border-color:rgb(196, 175, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 175, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 175, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 175, 60);  
box-shadow:4px 4px 4px 4px rgb(196, 175,  
60) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 42.7220, 0.4225, 0.4639$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 175, 60) }
```

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

```
.background{ background-color: rgb(196,  
175, 60) }
```

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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