

Converting Colors

$Y_{xy}(41.6722, 0.4228, 0.4639)$

Have a look what the booklet for
Yxy(41.6722, 0.4228, 0.4639)
contains.

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Color

Yxy(41.6722, 0.4228, 0.4639)

Conversions

Conversions Part 1

Format	Color
Hex	C2AD3B
RGB	194, 173, 59
RGB Percent	76%, 68%, 23%
CMY	0.2392, 0.3215, 0.7687
CMYK	0.00, 0.11, 0.70, 0.24
HSL	51°, 53%, 50%
HSV	51°, 70%, 76%
XYZ	37.9802, 41.6722, 10.1778
YIQ	166.2830, 49.1100, -31.0020

Conversions

Conversions Part 2

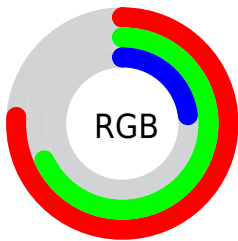
Format	Color
R_{YB}	84, 194, 59
Decimal	12758331
CIE Lab	70.64, -5.19, 58.62
CIE LCh	71, 58.849, 95.058
Yxy	41.6722, 0.4228, 0.4639
Android (android.graphics.Color)	4290948411 (0xFFC2AD3B)
YUV	166.2830, -52.8905, 24.3078
Hunter-Lab	64.5540, -7.9495, 35.8400

Details

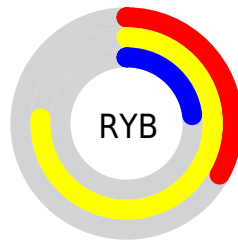
The Yxy color **41.6722, 0.4228, 0.4639** is a dark color, and the websafe version is hex **999933**. The color can be described as middle muted orange. A complement of this color would be **10.5589, 0.1864, 0.1366**, and the grayscale version is **38.5210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5617, 0.4056, 0.4416**, and **18.9931, 0.4409, 0.4881** is the 20% darker color. If you saturate the color by 10%, you get **40.3652, 0.4344, 0.4739**, and if you desaturate by 10%, it is **43.0841, 0.4089, 0.4498**.

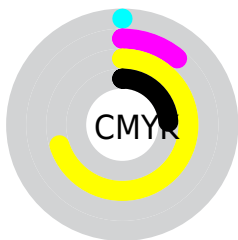
Distribution



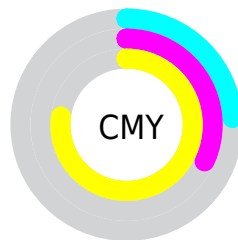
- Red (76%)
- Green (68%)
- Blue (23%)



- Red (33%)
- Yellow (76%)
- Blue (23%)



- Cyan (0%)
- Magenta (11%)
- Yellow (70%)
- Black (24%)




- Cyan (24%)
- Magenta (32%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6722, 0.4228, 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 41.6722, 0.4228, 0.4639 by changing the saturation by 10% instead.


 41.6722, 0.4228,
0.4639

 41.6722, 0.4228,
0.4639


353.1223, 0.3718,
0.3993


 28.8447, 0.4329,
0.4776


 77.7033, 0.4060,
0.4419


 18.9634, 0.4438,
0.4931


 101.6756, 0.3991,
0.4332


 11.6438, 0.4547,
0.5102


 130.1317, 0.3931,
0.4256

 6.5016, 0.4677,
0.5323

 163.4560, 0.3877,
0.4189

 3.1524, 0.4623,
0.5377

 202.0328, 0.3830,
0.4131

 1.2118, 0.4528,
0.5472

246.2465, 0.3789,

 0.0713, 0.0000,

0.4079

1.0000

296.4815, 0.3751,
0.4034

■ 0.0000, 0.0000,
0.0000

■ 41.6722, 0.4228,
0.4639

■ 41.6722, 0.4228,
0.4639

■ 40.3652, 0.4344,
0.4739

■ 43.0841, 0.4089,
0.4498

■ 39.1481, 0.4432,
0.4794

■ 44.6025, 0.3933,
0.4324

■ 38.0066, 0.4495,
0.4810

■ 46.2360, 0.3768,
0.4127

■ 37.9608, 0.4498,
0.4811

■ 47.9908, 0.3599,
0.3916

■ 49.8724, 0.3432,
0.3701

■ 51.8858, 0.3272,
0.3488

■ 54.0360, 0.3121,
0.3282

■ 56.3274, 0.2981,
0.3087

■ 58.7643, 0.2853,
0.2904

Harmonies

Analogous

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



41.6722, 0.4721, 0.4095



41.6722, 0.4228, 0.4639



41.6722, 0.3482, 0.4869

Triad

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



41.6722, 0.4228, 0.4639



41.6722, 0.1727, 0.2750



41.6722, 0.3423, 0.2412

Complementary

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



41.6722, 0.4228, 0.4639



10.5589, 0.1864, 0.1366

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.



41.6722, 0.2594, 0.2105



41.6722, 0.4228, 0.4639



41.6722, 0.1720, 0.2225

Square

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



41.6722, 0.4228, 0.4639



41.6722, 0.2052, 0.3603



41.6722, 0.2009, 0.2028



41.6722, 0.4265, 0.2898

Rectangle

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



41.6722, 0.4228, 0.4639



41.6722, 0.2942, 0.4688



41.6722, 0.2009, 0.2028



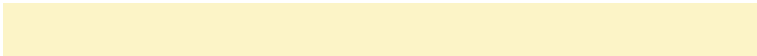
41.6722, 0.3129, 0.2287

Sweetspot

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



41.6742, 0.4228, 0.4639



89.7498, 0.3461, 0.3738



15.1973, 0.5064, 0.3040



19.4413, 0.3507, 0.3799



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.



41.6742, 0.4228, 0.4639



71.8499, 0.4398, 0.4776



45.2865, 0.3652, 0.5093



11.4829, 0.3268, 0.3483



25.0573, 0.4493, 0.4814



1.1561, 0.4416, 0.4876

Inverse Universe

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



10.5589, 0.1864, 0.1366



12.3285, 0.1649, 0.0971



9.9645, 0.2152, 0.1261



9.9952, 0.2983, 0.3089



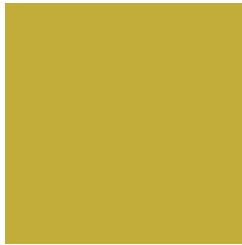
3.2551, 0.1540, 0.0743



0.2225, 0.1638, 0.1096

Previews

White Background



This preview shows how the Yxy color 41.6722, 0.4228, 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 41.6722, 0.4228, 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 41.6722, 0.4228, 0.4639

Background



This preview shows how black text looks on a background with the Yxy color 41.6722, 0.4228, 0.4639.



This preview shows how white text looks on a background with the Yxy color 41.6722, 0.4228, 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

41.6722, 0.4228, 0.4639

Protanopia

41.5404, 0.4218, 0.4645

Deuteranopia

41.4976, 0.4504, 0.4401



Tritanopia

41.5932, 0.3411, 0.3140

Trichromacy



Original Color

41.6722, 0.4228, 0.4639

Protanomaly

41.5404, 0.4218, 0.4645

Deuteranomaly

41.3843, 0.4406, 0.4483

Tritanomaly

41.2177, 0.3769, 0.3732

Monochromacy



Original Color

41.6722, 0.4228, 0.4639

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.1383, 0.3564, 0.3883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6722, 0.4228, 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(194, 173, 59)` looks like.

```
.text, #text, p{  
    color:rgb(194, 173, 59)  
}
```

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(194, 173, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 173, 59) }
```

Border

The CSS property to change the border of an element to Yxy 41.6722, 0.4228, 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(194, 173, 59) }
```

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

```
.border{ border-color:rgb(194, 173, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 173, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 173, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 173, 59);  
box-shadow:4px 4px 4px 4px rgb(194, 173,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6722, 0.4228, 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(194, 173, 59) }
```

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

```
.background{ background-color: rgb(194,  
173, 59) }
```

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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