

Converting Colors

$Y_{xy}(42.0274, 0.4313, 0.4767)$

Have a look what the booklet for
Yxy(42.0274, 0.4313, 0.4767)
contains.

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Color

Yxy(42.0274, 0.4313, 0.4767)

Conversions

Conversions Part 1

Format	Color
Hex	C3AE28
RGB	195, 174, 40
RGB Percent	76%, 68%, 16%
CMY	0.2353, 0.3176, 0.8433
CMYK	0.00, 0.11, 0.80, 0.24
HSL	52°, 66%, 46%
HSV	52°, 80%, 76%
XYZ	38.0248, 42.0274, 8.1110
YIQ	165.0030, 55.5300, -37.2220

Conversions

Conversions Part 2

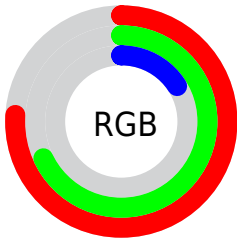
Format	Color
RYB	64, 195, 40
Decimal	12824104
CIELab	70.89, -6.10, 65.66
CIElCh	71, 65.940, 95.310
Yxy	42.0274, 0.4313, 0.4767
Android (android.graphics.Color)	4291014184 (0xFFC3AE28)
YUV	165.0030, -61.6265, 26.3074
Hunter-Lab	64.8285, -8.7519, 37.9619

Details

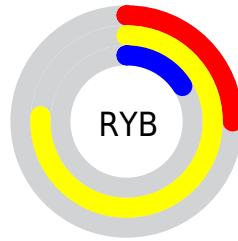
The Yxy color **42.0274, 0.4313, 0.4767** is a dark color, and the websafe version is hex **999900**. The color can be described as middle muted orange. A complement of this color would be **7.7231, 0.1707, 0.1064**, and the grayscale version is **37.9088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1617, 0.4147, 0.4539**, and **19.2374, 0.4394, 0.4893** is the 20% darker color. If you saturate the color by 10%, you get **40.9182, 0.4395, 0.4825**, and if you desaturate by 10%, it is **43.2276, 0.4204, 0.4664**.

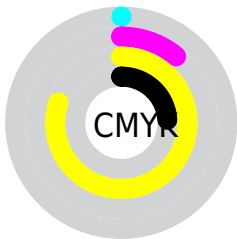
Distribution



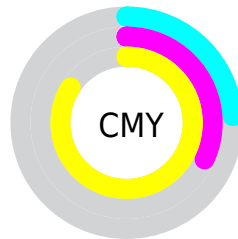
- Red (76%)
- Green (68%)
- Blue (16%)



- Red (25%)
- Yellow (76%)
- Blue (16%)



- Cyan (0%)
- Magenta (11%)
- Yellow (80%)
- Black (24%)




- Cyan (24%)
- Magenta (32%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0274, 0.4313, 0.4767 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 42.0274, 0.4313, 0.4767 by changing the saturation by 10% instead.


 42.0274, 0.4313,
0.4767


 42.0274, 0.4313,
0.4767


354.5965, 0.3781,
0.4075


 29.1227, 0.4409,
0.4905


 78.2411, 0.4144,
0.4538


 19.1737, 0.4506,
0.5055


 102.3189, 0.4073,
0.4444

 11.7959, 0.4614,
0.5236


 130.8899, 0.4009,
0.4362

 6.6048, 0.4644,
0.5356

 164.3385, 0.3953,
0.4290

 3.2162, 0.4580,
0.5420

 203.0491, 0.3902,
0.4227

 1.2456, 0.4469,
0.5531

 247.4060, 0.3858,

 0.0985, 0.0000,

0.4170

1.0000

297.7937, 0.3817,
0.4120

■ 0.0000, 0.0000,
0.0000

■ 42.0274, 0.4313,
0.4767

■ 42.0274, 0.4313,
0.4767

■ 40.9182, 0.4395,
0.4825

■ 43.2276, 0.4204,
0.4664

■ 39.8776, 0.4452,
0.4844

■ 44.5217, 0.4071,
0.4521

■ 39.8275, 0.4455,
0.4845

■ 45.9193, 0.3921,
0.4344

■ 47.4273, 0.3759,
0.4143

■ 49.0515, 0.3593,
0.3928

■ 50.7977, 0.3429,
0.3709

■ 52.6708, 0.3270,
0.3491

■ 54.6758, 0.3120,
0.3280

■ 56.8172, 0.2980,
0.3080

Harmonies

Analogous

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



42.0274, 0.4877, 0.4147



42.0274, 0.4313, 0.4767



42.0274, 0.3487, 0.5062

Triad

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



42.0274, 0.4313, 0.4767



42.0274, 0.1593, 0.2669



42.0274, 0.3458, 0.2331

Complementary

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



42.0274, 0.4313, 0.4767



7.7231, 0.1707, 0.1064

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.



42.0274, 0.2540, 0.1998



42.0274, 0.4313, 0.4767



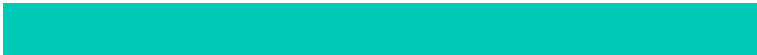
42.0274, 0.1594, 0.2108

Square

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



42.0274, 0.4313, 0.4767



42.0274, 0.1931, 0.3623



42.0274, 0.1905, 0.1909



42.0274, 0.4404, 0.2854

Rectangle

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



42.0274, 0.4313, 0.4767



42.0274, 0.2896, 0.4871



42.0274, 0.1905, 0.1909



42.0274, 0.3130, 0.2195

Sweetspot

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



42.0294, 0.4313, 0.4767



89.4278, 0.3509, 0.3816



13.4784, 0.5529, 0.3084



19.3380, 0.3569, 0.3895



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.



42.0294, 0.4313, 0.4767



71.9782, 0.4435, 0.4840



44.8242, 0.3641, 0.5293



11.5181, 0.3268, 0.3487



25.9750, 0.4451, 0.4848



1.1880, 0.4385, 0.4900

Inverse Universe

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



7.7231, 0.1707, 0.1064



9.0242, 0.1549, 0.0746



7.8463, 0.2021, 0.1040



9.9631, 0.2983, 0.3085



3.1255, 0.1533, 0.0717



0.2081, 0.1622, 0.1037

Previews

White Background



This preview shows how the Yxy color 42.0274, 0.4313, 0.4767 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 42.0274, 0.4313, 0.4767 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 42.0274, 0.4313, 0.4767

Background



This preview shows how black text looks on a background with the Yxy color 42.0274, 0.4313, 0.4767.



This preview shows how white text looks on a background with the Yxy color 42.0274, 0.4313, 0.4767.

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

42.0274, 0.4313, 0.4767

Protanopia

42.0274, 0.4313, 0.4767

Deuteranopia

42.0052, 0.4598, 0.4508



Tritanopia

41.9149, 0.3421, 0.3128

Trichromacy



Original Color

42.0274, 0.4313, 0.4767

Protanomaly

42.0274, 0.4313, 0.4767

Deuteranomaly

41.8813, 0.4502, 0.4597

Tritanomaly

41.1963, 0.3835, 0.3808

Monochromacy



Original Color

42.0274, 0.4313, 0.4767

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.5914, 0.3630, 0.3968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0274, 0.4313, 0.4767 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(195, 174, 40)` looks like.

```
.text, #text, p{  
    color:rgb(195, 174, 40)  
}
```

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(195, 174, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 174, 40) }
```

Border

The CSS property to change the border of an element to Yxy 42.0274, 0.4313, 0.4767 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(195, 174, 40) }
```

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

```
.border{ border-color:rgb(195, 174, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 174, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 174, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 174, 40);  
box-shadow:4px 4px 4px 4px rgb(195, 174,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0274, 0.4313, 0.4767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 174, 40) }
```

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

```
.background{ background-color: rgb(195,  
174, 40) }
```

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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