

Converting Colors

$Y_{xy}(42.0284, 0.4511, 0.4800)$

Have a look what the booklet for
Yxy(42.0284, 0.4511, 0.4800)
contains.

| | |
|--|----|
| Yxy(41.9632, 0.4513, 0.4799) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(41.9632, 0.4513, 0.4799)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | CCAB00 |
| RGB | 204, 171, 0 |
| RGB Percent | 80%, 67%, 0% |
| CMY | 0.2000, 0.3294, 1.0000 |
| CMYK | 0.00, 0.16, 1.00, 0.20 |
| HSL | 50°, 100%, 40% |
| HSV | 50°, 100%, 80% |
| XYZ | 39.4624, 41.9632, 6.0160 |
| YIQ | 161.3730, 74.5590, -46.1850 |

Conversions

Conversions Part 2

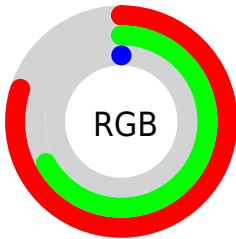
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 39, 204, 0 |
| Decimal | 13413120 |
| CIE Lab | 70.85, -1.33, 73.56 |
| CIE LCh | 71, 73.571, 91.033 |
| Yxy | 41.9632, 0.4513, 0.4799 |
| Android (android.graphics.Color) | 4291603200 (0xFFCCAB00) |
| YUV | 161.3730, -79.5569, 37.3839 |
| Hunter-Lab | 64.7790, -4.6238, 39.8391 |

Details

The Yxy color **41.9632, 0.4513, 0.4799** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **5.4458, 0.1537, 0.0731**, and the grayscale version is **36.1764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2028, 0.4250, 0.4639**, and **19.2134, 0.4542, 0.4776** is the 20% darker color. If you saturate the color by 10%, you get **41.9655, 0.4513, 0.4799**, and if you desaturate by 10%, it is **43.2791, 0.4449, 0.4787**.

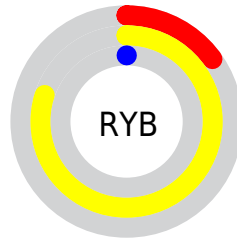
Distribution



Red (80%)

Green (67%)

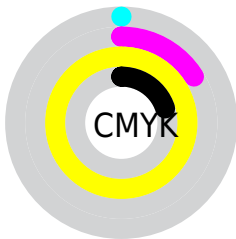
Blue (0%)



Red (15%)

Yellow (80%)

Blue (0%)

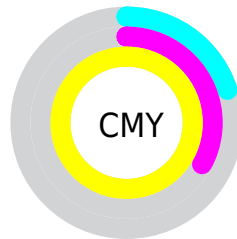


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9632, 0.4513, 0.4799 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 41.9632, 0.4513, 0.4799 by changing the saturation by 10% instead.


 41.9632, 0.4513,
0.4799

 41.9632, 0.4513,
0.4799


354.3304, 0.3905,
0.4130


 29.0725, 0.4615,
0.4914


 78.1439, 0.4326,
0.4591


 19.1357, 0.4713,
0.5028


 102.2027, 0.4245,
0.4501

 11.7683, 0.4832,
0.5168


 130.7530, 0.4172,
0.4421

 6.5861, 0.4824,
0.5176

 164.1791, 0.4106,
0.4350

 3.2047, 0.4810,
0.5190

 202.8656, 0.4048,
0.4286

 1.2395, 0.4787,
0.5213

 247.1966, 0.3995,

 0.0936, 0.3768,

0.4228

0.6232

297.5568, 0.3948,
0.4177

■ 0.0000, 0.0000,
0.0000

■ 41.9632, 0.4513,
0.4799

■ 41.9632, 0.4513,
0.4799

■ 41.9655, 0.4513,
0.4799

■ 43.2791, 0.4449,
0.4787

■ 44.6789, 0.4360,
0.4735

■ 46.1837, 0.4244,
0.4639

■ 47.8040, 0.4103,
0.4500

■ 49.5484, 0.3946,
0.4328

■ 51.4246, 0.3779,
0.4133

■ 53.4393, 0.3608,
0.3923

■ 55.5991, 0.3440,
0.3708

■ 57.9096, 0.3279,
0.3495

Harmonies

Analogous

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



41.9632, 0.5095, 0.4081



41.9632, 0.4513, 0.4799



41.9632, 0.3629, 0.5260

Triad

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



41.9632, 0.4513, 0.4799



41.9632, 0.1481, 0.2710



41.9632, 0.3329, 0.2176

Complementary

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



41.9632, 0.4513, 0.4799



5.4458, 0.1537, 0.0731

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.



41.9632, 0.2354, 0.1854



41.9632, 0.4513, 0.4799



41.9632, 0.1441, 0.2046

Square

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



41.9632, 0.4513, 0.4799



41.9632, 0.1888, 0.3830



41.9632, 0.1724, 0.1795



41.9632, 0.4414, 0.2711

Rectangle

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



41.9632, 0.4513, 0.4799



41.9632, 0.2983, 0.5162



41.9632, 0.1724, 0.1795



41.9632, 0.2973, 0.2042

Sweetspot

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



41.9655, 0.4513, 0.4799



88.3754, 0.3615, 0.3931



12.9515, 0.6170, 0.3172



18.6056, 0.3688, 0.4022



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.



41.9655, 0.4513, 0.4799



69.2379, 0.4517, 0.4795



48.4149, 0.3614, 0.5512



12.7758, 0.3270, 0.3483



26.5313, 0.4508, 0.4803



1.4534, 0.4436, 0.4859

Inverse Universe

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



5.4458, 0.1537, 0.0731



8.8217, 0.1533, 0.0717



5.5880, 0.1739, 0.0732



11.1321, 0.2982, 0.3090



3.5186, 0.1541, 0.0748



0.2758, 0.1630, 0.1068

Previews

White Background



This preview shows how the Yxy color 41.9632, 0.4513, 0.4799 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 41.9632, 0.4513, 0.4799 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 41.9632, 0.4513, 0.4799

Background



This preview shows how black text looks on a background with the Yxy color 41.9632, 0.4513, 0.4799.



This preview shows how white text looks on a background with the Yxy color 41.9632, 0.4513, 0.4799.

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

41.9632, 0.4513, 0.4799

Protanopia

42.0232, 0.4397, 0.4871

Deuteranopia

42.0140, 0.4690, 0.4606



Tritanopia

41.8827, 0.3543, 0.3144

Trichromacy



Original Color

41.9632, 0.4513, 0.4799

Protanomaly

42.0380, 0.4440, 0.4846

Deuteranomaly

41.9577, 0.4634, 0.4673

Tritanomaly

41.0002, 0.4097, 0.3958

Monochromacy



Original Color

41.9632, 0.4513, 0.4799

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.2167, 0.3811, 0.4174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9632, 0.4513, 0.4799 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(204, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 171, 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(204, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 171, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.9632, 0.4513, 0.4799 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(204, 171, 0) }
```

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

```
.border{ border-color:rgb(204, 171, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 171, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 171,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9632, 0.4513, 0.4799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 171, 0) }
```

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

```
.background{ background-color: rgb(204,  
171, 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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