

Converting Colors

$Y_{xy}(41.5571, 0.4438, 0.4691)$

Have a look what the booklet for
Yxy(41.5571, 0.4438, 0.4691)
contains.

Yxy(41.5795, 0.4439, 0.4692)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.5795, 0.4439, 0.4692)

Conversions

Conversions Part 1

Format	Color
Hex	CBAA25
RGB	203, 170, 37
RGB Percent	80%, 67%, 15%
CMY	0.2039, 0.3333, 0.8550
CMYK	0.00, 0.16, 0.82, 0.20
HSL	48°, 69%, 47%
HSV	48°, 82%, 80%
XYZ	39.3375, 41.5795, 7.7009
YIQ	164.7050, 62.3610, -34.3670

Conversions

Conversions Part 2

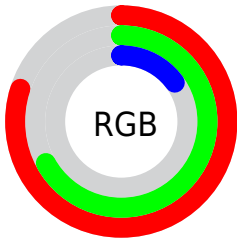
Format	Color
RYB	78, 203, 37
Decimal	13347365
CIELab	70.58, -0.58, 66.57
CIELCh	71, 66.569, 90.495
Yxy	41.5795, 0.4439, 0.4692
Android (android.graphics.Color)	4291537445 (0xFFCBAA25)
YUV	164.7050, -62.9586, 33.5847
Hunter-Lab	64.4822, -3.9495, 38.0567

Details

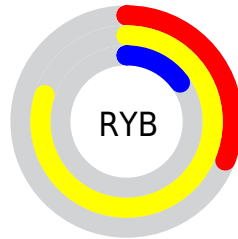
The Yxy color **41.5795, 0.4439, 0.4692** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle muted orange. A complement of this color would be **9.0830, 0.1709, 0.1131**, and the grayscale version is **37.7634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9367, 0.4182, 0.4521**, and **18.8862, 0.4545, 0.4774** is the 20% darker color. If you saturate the color by 10%, you get **39.9978, 0.4536, 0.4729**, and if you desaturate by 10%, it is **43.2825, 0.4314, 0.4608**.

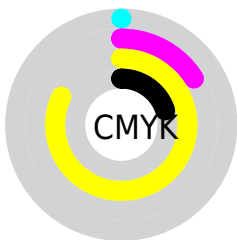
Distribution



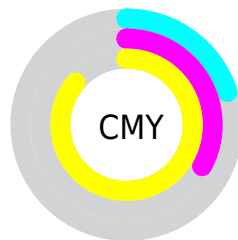
- Red (80%)
- Green (67%)
- Blue (15%)



- Red (31%)
- Yellow (80%)
- Blue (15%)



- Cyan (0%)
- Magenta (16%)
- Yellow (82%)
- Black (20%)





- Cyan (20%)
- Magenta (33%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5795, 0.4439, 0.4692 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 41.5795, 0.4439, 0.4692 by changing the saturation by 10% instead.


 41.5795, 0.4439,
0.4692

 41.5795, 0.4439,
0.4692

352.7368, 0.3843,
0.4052

 28.7722, 0.4550,
0.4812


 77.5628, 0.4247,
0.4486

 18.9085, 0.4664,
0.4937


 101.5076, 0.4167,
0.4400

 11.6042, 0.4805,
0.5091


 129.9337, 0.4096,
0.4323

 6.4748, 0.4852,
0.5148

 163.2254, 0.4033,
0.4256

 3.1359, 0.4846,
0.5154

 201.7672, 0.3978,
0.4196

 1.2031, 0.4835,
0.5165

 245.9434, 0.3928,

 0.0642, 0.4225,

0.4143

0.5775

296.1385, 0.3883,
0.4095

■ 0.0000, 0.0000,
0.0000

■ 41.5795, 0.4439,
0.4692

■ 41.5795, 0.4439,
0.4692

■ 39.9978, 0.4536,
0.4729

■ 43.2825, 0.4314,
0.4608

■ 38.7684, 0.4597,
0.4732

■ 45.1113, 0.4165,
0.4481

■ 47.0771, 0.3999,
0.4320

■ 49.1877, 0.3824,
0.4134

■ 51.4503, 0.3647,
0.3933

■ 53.8713, 0.3474,
0.3727

■ 56.4567, 0.3308,
0.3522

■ 59.2123, 0.3153,
0.3324

■ 62.1433, 0.3011,
0.3136

Harmonies

Analogous

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



41.5795, 0.4948, 0.4044



41.5795, 0.4439, 0.4692



41.5795, 0.3631, 0.5078

Triad

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



41.5795, 0.4439, 0.4692



41.5795, 0.1607, 0.2790



41.5795, 0.3300, 0.2252

Complementary

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



41.5795, 0.4439, 0.4692



9.0830, 0.1709, 0.1131

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.



41.5795, 0.2407, 0.1953



41.5795, 0.4439, 0.4692



41.5795, 0.1557, 0.2158

Square

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



41.5795, 0.4439, 0.4692



41.5795, 0.2006, 0.3804



41.5795, 0.1820, 0.1906



41.5795, 0.4283, 0.2754

Rectangle

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



41.5795, 0.4439, 0.4692



41.5795, 0.3033, 0.4976



41.5795, 0.1820, 0.1906



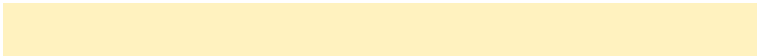
41.5795, 0.2976, 0.2126

Sweetspot

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



41.5815, 0.4439, 0.4692



88.7331, 0.3535, 0.3801



14.4635, 0.5490, 0.3008



18.6843, 0.3596, 0.3874



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.



41.5815, 0.4439, 0.4692



65.0923, 0.4590, 0.4729



49.6376, 0.3709, 0.5281



12.7031, 0.3270, 0.3474



24.8020, 0.4591, 0.4737



1.3785, 0.4499, 0.4810

Inverse Universe

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



9.0830, 0.1709, 0.1131



9.9634, 0.1558, 0.0797



7.6502, 0.1915, 0.0954



11.1991, 0.2982, 0.3099



3.8286, 0.1557, 0.0805



0.3066, 0.1657, 0.1164

Previews

White Background



This preview shows how the Yxy color 41.5795, 0.4439, 0.4692 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 41.5795, 0.4439, 0.4692 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 41.5795, 0.4439, 0.4692

Background



This preview shows how black text looks on a background with the Yxy color 41.5795, 0.4439, 0.4692.



This preview shows how white text looks on a background with the Yxy color 41.5795, 0.4439, 0.4692.

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

41.5795, 0.4439, 0.4692

Protanopia

41.4964, 0.4320, 0.4775

Deuteranopia

41.4558, 0.4620, 0.4530



Tritanopia

41.3910, 0.3535, 0.3132

Trichromacy



Original Color

41.5795, 0.4439, 0.4692

Protanomaly

41.5153, 0.4358, 0.4746

Deuteranomaly

41.4160, 0.4557, 0.4586

Tritanomaly

40.8011, 0.3972, 0.3793

Monochromacy



Original Color

41.5795, 0.4439, 0.4692

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.5291, 0.3682, 0.3976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5795, 0.4439, 0.4692 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(203, 170, 37)` looks like.

```
.text, #text, p{  
    color:rgb(203, 170, 37)  
}
```

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(203, 170, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 170, 37) }
```

Border

The CSS property to change the border of an element to Yxy 41.5795, 0.4439, 0.4692 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(203, 170, 37) }
```

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

```
.border{ border-color:rgb(203, 170, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 170, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 170, 37); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 170, 37); box-shadow:4px 4px 4px 4px rgb(203, 170, 37) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5795, 0.4439, 0.4692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 170, 37) }
```

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

```
.background{ background-color: rgb(203,  
170, 37) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor