

Converting Colors

$Yxy(44.0022, 0.4431, 0.4803)$

Have a look what the booklet for
Yxy(44.0022, 0.4431, 0.4803)
contains.

Yxy(43.9385, 0.4432, 0.4802)	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(43.9385, 0.4432, 0.4802)

Conversions

Conversions Part 1

Format	Color
Hex	CCB014
RGB	204, 176, 20
RGB Percent	80%, 69%, 8%
CMY	0.2000, 0.3098, 0.9212
CMYK	0.00, 0.14, 0.90, 0.20
HSL	51°, 82%, 44%
HSV	51°, 90%, 80%
XYZ	40.5530, 43.9385, 7.0089
YIQ	166.5880, 66.7640, -42.5800

Conversions

Conversions Part 2

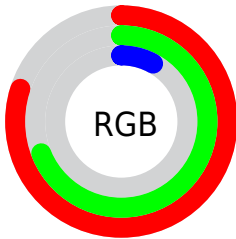
Format	Color
RYB	53, 204, 20
Decimal	13414420
CIELab	72.19, -3.70, 71.89
CIElCh	72, 71.988, 92.950
Yxy	43.9385, 0.4432, 0.4802
Android (android.graphics.Color)	4291604500 (0xFFCCB014)
YUV	166.5880, -72.2679, 32.8103
Hunter-Lab	66.2861, -6.7967, 40.1311

Details

The Yxy color **43.9385, 0.4432, 0.4802** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **6.6290, 0.1598, 0.0865**, and the grayscale version is **38.7720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0837, 0.4184, 0.4628**, and **20.4350, 0.4468, 0.4835** is the 20% darker color. If you saturate the color by 10%, you get **42.7045, 0.4492, 0.4815**, and if you desaturate by 10%, it is **45.2778, 0.4347, 0.4750**.

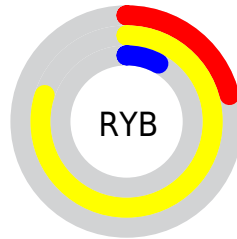
Distribution



Red (80%)

Green (69%)

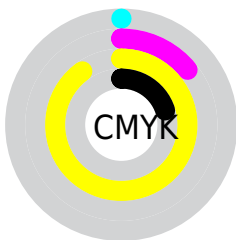
Blue (8%)



Red (21%)

Yellow (80%)

Blue (8%)

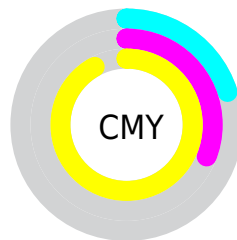


Cyan (0%)

Magenta (14%)

Yellow (90%)

Black (20%)



Cyan (20%)


Magenta (31%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.9385, 0.4432, 0.4802 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 43.9385, 0.4432, 0.4802 by changing the saturation by 10% instead.


 43.9385, 0.4432,
0.4802

 43.9385, 0.4432,
0.4802


362.4573, 0.3861,
0.4122


 30.6222, 0.4529,
0.4926


 81.1252, 0.4255,
0.4586

 20.3113, 0.4624,
0.5054


 105.7643, 0.4179,
0.4494

 12.6215, 0.4750,
0.5226


 134.9465, 0.4111,
0.4413

 7.1685, 0.4738,
0.5262

 169.0562, 0.4050,
0.4341

 3.5677, 0.4703,
0.5297

 208.4777, 0.3995,
0.4277

 1.4348, 0.4641,
0.5359

 253.5955, 0.3946,

 0.2422, 0.3659,

0.4220

0.6341

304.7938, 0.3901,
0.4168

■ 0.0000, 0.0000,
0.0000

■ 43.9385, 0.4432,
0.4802

■ 43.9385, 0.4432,
0.4802

■ 42.7045, 0.4492,
0.4815

■ 45.2778, 0.4347,
0.4750

■ 46.7165, 0.4234,
0.4653

■ 48.2669, 0.4097,
0.4514

■ 49.9377, 0.3943,
0.4341

■ 51.7365, 0.3778,
0.4144

■ 53.6702, 0.3609,
0.3933

■ 55.7451, 0.3442,
0.3716

■ 57.9670, 0.3281,
0.3501

■ 60.3414, 0.3129,
0.3293

Harmonies

Analogous

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



43.9385, 0.5015, 0.4118



43.9385, 0.4432, 0.4802



43.9385, 0.3565, 0.5197

Triad

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



43.9385, 0.4432, 0.4802



43.9385, 0.1516, 0.2680



43.9385, 0.3393, 0.2236

Complementary

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



43.9385, 0.4432, 0.4802



6.6290, 0.1598, 0.0865

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.



43.9385, 0.2431, 0.1906



43.9385, 0.4432, 0.4802



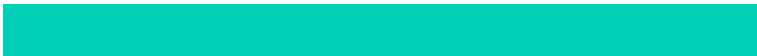
43.9385, 0.1494, 0.2060

Square

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



43.9385, 0.4432, 0.4802



43.9385, 0.1893, 0.3735



43.9385, 0.1793, 0.1832



43.9385, 0.4428, 0.2771

Rectangle

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



43.9385, 0.4432, 0.4802



43.9385, 0.2938, 0.5053



43.9385, 0.1793, 0.1832



43.9385, 0.3045, 0.2100

Sweetspot

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



43.9406, 0.4432, 0.4802



89.8276, 0.3562, 0.3872



13.5766, 0.5893, 0.3108



18.9793, 0.3620, 0.3947



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.



43.9406, 0.4432, 0.4802



70.4707, 0.4496, 0.4812



49.0461, 0.3648, 0.5423



12.7945, 0.3269, 0.3485



26.9901, 0.4487, 0.4819



1.4731, 0.4421, 0.4872

Inverse Universe

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



6.6290, 0.1598, 0.0865



8.6584, 0.1529, 0.0706



6.6293, 0.1849, 0.0841



11.1150, 0.2982, 0.3087



3.4489, 0.1538, 0.0735



0.2679, 0.1623, 0.1043

Previews

White Background



This preview shows how the Yxy color 43.9385, 0.4432, 0.4802 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 43.9385, 0.4432, 0.4802 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 43.9385, 0.4432, 0.4802

Background



This preview shows how black text looks on a background with the Yxy color 43.9385, 0.4432, 0.4802.



This preview shows how white text looks on a background with the Yxy color 43.9385, 0.4432, 0.4802.

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

43.9385, 0.4432, 0.4802

Protanopia

44.1743, 0.4373, 0.4845

Deuteranopia

43.9364, 0.4678, 0.4572



Tritanopia

43.9816, 0.3493, 0.3146

Trichromacy



Original Color

43.9385, 0.4432, 0.4802

Protanomaly

43.9159, 0.4392, 0.4829

Deuteranomaly

43.9477, 0.4592, 0.4655

Tritanomaly

43.0388, 0.3978, 0.3899

Monochromacy



Original Color

43.9385, 0.4432, 0.4802

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.6677, 0.3714, 0.4066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.9385, 0.4432, 0.4802 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, 176, 20)` looks like.

```
.text, #text, p{  
    color:rgb(204, 176, 20)  
}
```

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, 176, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 176, 20) }
```

Border

The CSS property to change the border of an element to Yxy 43.9385, 0.4432, 0.4802 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, 176, 20) }
```

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

```
.border{ border-color:rgb(204, 176, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 176, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 176, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 176, 20);  
box-shadow:4px 4px 4px 4px rgb(204, 176,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 43.9385, 0.4432, 0.4802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 176, 20) }
```

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

```
.background{ background-color: rgb(204,  
176, 20) }
```

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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