

Converting Colors

$Y_{xy}(42.8792, 0.4434, 0.4799)$

Have a look what the booklet for
Yxy(42.8792, 0.4434, 0.4799)
contains.

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Color

Yxy(42.8792, 0.4434, 0.4799)

Conversions

Conversions Part 1

Format	Color
Hex	CAAE14
RGB	202, 174, 20
RGB Percent	79%, 68%, 8%
CMY	0.2079, 0.3176, 0.9213
CMYK	0.00, 0.14, 0.90, 0.21
HSL	51°, 82%, 44%
HSV	51°, 90%, 79%
XYZ	39.6179, 42.8792, 6.8532
YIQ	164.8160, 66.1220, -41.9580

Conversions

Conversions Part 2

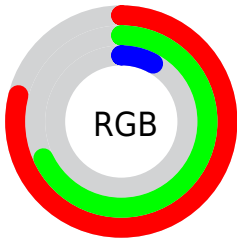
Format	Color
RYB	53, 202, 20
Decimal	13282836
CIELab	71.47, -3.54, 71.26
CIELCh	71, 71.347, 92.845
Yxy	42.8792, 0.4434, 0.4799
Android (android.graphics.Color)	4291472916 (0xFFCAAEE14)
YUV	164.8160, -71.3943, 32.6104
Hunter-Lab	65.4822, -6.5982, 39.6324

Details

The Yxy color **42.8792, 0.4434, 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 **6.5316, 0.1600, 0.0870**, and the grayscale version is **37.8637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9705, 0.4197, 0.4613**, and **19.7587, 0.4472, 0.4831** is the 20% darker color. If you saturate the color by 10%, you get **41.6511, 0.4495, 0.4813**, and if you desaturate by 10%, it is **44.2000, 0.4348, 0.4747**.

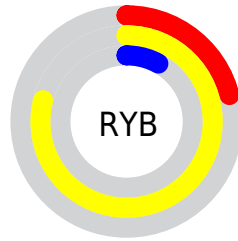
Distribution



Red (79%)

Green (68%)

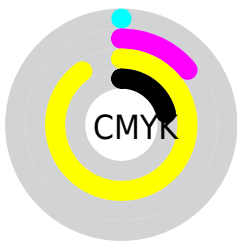
Blue (8%)



Red (21%)

Yellow (79%)

Blue (8%)

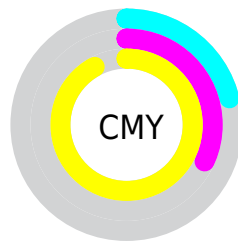


Cyan (0%)

Magenta (14%)

Yellow (90%)

Black (21%)



Cyan (21%)


Magenta (32%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8792, 0.4434, 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 42.8792, 0.4434, 0.4799 by changing the saturation by 10% instead.


 42.8792, 0.4434,
0.4799

 42.8792, 0.4434,
0.4799


358.1147, 0.3859,
0.4117


 29.7903, 0.4532,
0.4923


 79.5285, 0.4256,
0.4582

 19.6795, 0.4628,
0.5052


 103.8578, 0.4179,
0.4490


 12.1623, 0.4762,
0.5231


 132.7027, 0.4110,
0.4409

 6.8543, 0.4742,
0.5258

 166.4475, 0.4048,
0.4337

 3.3712, 0.4707,
0.5293

 205.4768, 0.3993,
0.4272

 1.3284, 0.4646,
0.5354

 250.1748, 0.3944,

 0.1631, 0.2960,

0.4215

0.7040

300.9260, 0.3899,
0.4163

■ 0.0000, 0.0000,
0.0000

■ 42.8792, 0.4434,
0.4799

■ 42.8792, 0.4434,
0.4799

■ 41.6511, 0.4495,
0.4813

■ 44.2000, 0.4348,
0.4747

■ 45.6187, 0.4234,
0.4649

■ 47.1471, 0.4097,
0.4510

■ 48.7939, 0.3942,
0.4337

■ 50.5664, 0.3777,
0.4140

■ 52.4713, 0.3608,
0.3929

■ 54.5148, 0.3440,
0.3713

■ 56.7026, 0.3280,
0.3499

■ 59.0399, 0.3128,
0.3291

Harmonies

Analogous

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



42.8792, 0.5015, 0.4115



42.8792, 0.4434, 0.4799



42.8792, 0.3568, 0.5195

Triad

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



42.8792, 0.4434, 0.4799



42.8792, 0.1518, 0.2684



42.8792, 0.3389, 0.2235

Complementary

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



42.8792, 0.4434, 0.4799



6.5316, 0.1600, 0.0870

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.



42.8792, 0.2429, 0.1906



42.8792, 0.4434, 0.4799



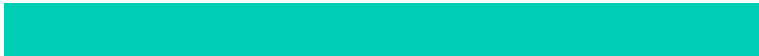
42.8792, 0.1495, 0.2062

Square

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



42.8792, 0.4434, 0.4799



42.8792, 0.1896, 0.3739



42.8792, 0.1792, 0.1834



42.8792, 0.4424, 0.2769

Rectangle

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



42.8792, 0.4434, 0.4799



42.8792, 0.2941, 0.5054



42.8792, 0.1792, 0.1834



42.8792, 0.3042, 0.2100

Sweetspot

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



42.8813, 0.4434, 0.4799



89.7600, 0.3562, 0.3871



13.2917, 0.5888, 0.3107



18.9631, 0.3621, 0.3946



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.



42.8813, 0.4434, 0.4799



70.2581, 0.4500, 0.4809



47.9804, 0.3649, 0.5422



12.7913, 0.3269, 0.3485



26.9110, 0.4490, 0.4817



1.4697, 0.4423, 0.4870

Inverse Universe

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



6.5316, 0.1600, 0.0870



8.6857, 0.1530, 0.0708



6.5033, 0.1851, 0.0843



11.1179, 0.2982, 0.3088



3.4606, 0.1538, 0.0738



0.2693, 0.1624, 0.1047

Previews

White Background



This preview shows how the Yxy color 42.8792, 0.4434, 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 42.8792, 0.4434, 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 42.8792, 0.4434, 0.4799

Background



This preview shows how black text looks on a background with the Yxy color 42.8792, 0.4434, 0.4799.



This preview shows how white text looks on a background with the Yxy color 42.8792, 0.4434, 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

42.8792, 0.4434, 0.4799

Protanopia

43.1106, 0.4374, 0.4842

Deuteranopia

42.7284, 0.4673, 0.4573



Tritanopia

42.8937, 0.3498, 0.3144

Trichromacy



Original Color

42.8792, 0.4434, 0.4799

Protanomaly

42.8562, 0.4394, 0.4826

Deuteranomaly

42.7423, 0.4586, 0.4657

Tritanomaly

41.9903, 0.3978, 0.3892

Monochromacy



Original Color

42.8792, 0.4434, 0.4799

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.6401, 0.3720, 0.4074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8792, 0.4434, 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(202, 174, 20)` looks like.

```
.text, #text, p{  
    color:rgb(202, 174, 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(202, 174, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 174, 20) }
```

Border

The CSS property to change the border of an element to Yxy 42.8792, 0.4434, 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(202, 174, 20) }
```

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

```
.border{ border-color:rgb(202, 174, 20) }
```

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

Here you see how a box with a 4 pixel rgb(202, 174, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 174, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 174, 20);  
box-shadow:4px 4px 4px 4px rgb(202, 174,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8792, 0.4434, 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(202, 174, 20) }
```

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

```
.background{ background-color: rgb(202,  
174, 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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