

Converting Colors

$Yxy(44.9267, 0.4423, 0.4671)$

Have a look what the booklet for
Yxy(44.9267, 0.4423, 0.4671)
contains.

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Color

Yxy(44.9267, 0.4423, 0.4671)

Conversions

Conversions Part 1

Format	Color
Hex	D2B02B
RGB	210, 176, 43
RGB Percent	82%, 69%, 17%
CMY	0.1764, 0.3098, 0.8314
CMYK	0.00, 0.16, 0.80, 0.18
HSL	48°, 66%, 50%
HSV	48°, 80%, 82%
XYZ	42.5414, 44.9267, 8.7141
YIQ	171.0040, 62.9570, -34.1550

Conversions

Conversions Part 2

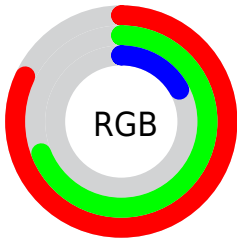
Format	Color
R _Y B	86, 210, 43
Decimal	13807659
CIE Lab	72.84, -0.48, 66.99
CIE LCh	73, 66.992, 90.410
Yxy	44.9267, 0.4423, 0.4671
Android (android.graphics.Color)	4291997739 (0xFFD2B02B)
YUV	171.0040, -63.1060, 34.1995
Hunter-Lab	67.0274, -4.0064, 39.2110

Details

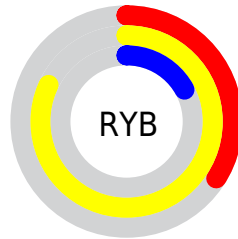
The Yxy color **44.9267, 0.4423, 0.4671** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **10.4749, 0.1738, 0.1191**, and the grayscale version is **41.0276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3319, 0.4121, 0.4533**, and **20.9946, 0.4542, 0.4775** is the 20% darker color. If you saturate the color by 10%, you get **43.1618, 0.4528, 0.4717**, and if you desaturate by 10%, it is **46.8280, 0.4290, 0.4578**.

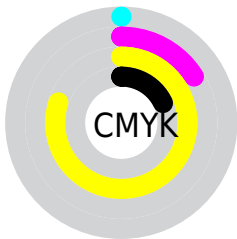
Distribution



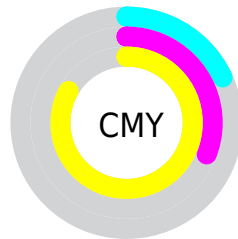
- Red (82%)
- Green (69%)
- Blue (17%)



- Red (34%)
- Yellow (82%)
- Blue (17%)



- Cyan (0%)
- Magenta (16%)
- Yellow (80%)
- Black (18%)




- Cyan (18%)
- Magenta (31%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9267, 0.4423, 0.4671 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 44.9267, 0.4423, 0.4671 by changing the saturation by 10% instead.

 44.9267, 0.4423,
0.4671

 44.9267, 0.4423,
0.4671


366.4766, 0.3840,
0.4047

 31.3997, 0.4532,
0.4788


 82.6104, 0.4236,
0.4470


 20.9034, 0.4646,
0.4912


 107.5359, 0.4157,
0.4386


 13.0534, 0.4769,
0.5046


 137.0297, 0.4088,
0.4312

 7.4653, 0.4856,
0.5144

 171.4761, 0.4027,
0.4247

 3.7548, 0.4852,
0.5148

 211.2596, 0.3972,
0.4188

 1.5374, 0.4844,
0.5156

 256.7646, 0.3923,

 0.3148, 0.4773,

0.4136

0.5227

308.3755, 0.3879,
0.4089

■ 0.0000, 0.0000,
0.0000

■ 44.9267, 0.4423,
0.4671

■ 44.9267, 0.4423,
0.4671

■ 43.1618, 0.4528,
0.4717

■ 46.8280, 0.4290,
0.4578

■ 41.5078, 0.4606,
0.4722

■ 48.8705, 0.4135,
0.4444

■ 41.4313, 0.4610,
0.4722

■ 51.0657, 0.3965,
0.4277

■ 53.4221, 0.3787,
0.4087

■ 55.9473, 0.3610,
0.3885

■ 58.6483, 0.3437,
0.3679

■ 61.5316, 0.3273,
0.3476

■ 64.6031, 0.3120,
0.3281

■ 67.8688, 0.2980,
0.3096

Harmonies

Analogous

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



44.9267, 0.4918, 0.4036



44.9267, 0.4423, 0.4671



44.9267, 0.3630, 0.5044

Triad

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



44.9267, 0.4423, 0.4671



44.9267, 0.1632, 0.2804



44.9267, 0.3295, 0.2267

Complementary

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



44.9267, 0.4423, 0.4671



10.4749, 0.1738, 0.1191

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.



44.9267, 0.2418, 0.1972



44.9267, 0.4423, 0.4671



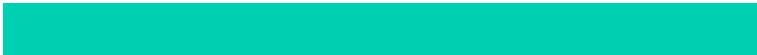
44.9267, 0.1580, 0.2179

Square

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



44.9267, 0.4423, 0.4671



44.9267, 0.2028, 0.3798



44.9267, 0.1839, 0.1928



44.9267, 0.4258, 0.2762

Rectangle

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



44.9267, 0.4423, 0.4671



44.9267, 0.3041, 0.4940



44.9267, 0.1839, 0.1928



44.9267, 0.2977, 0.2143

Sweetspot

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



44.9289, 0.4423, 0.4671



88.9717, 0.3518, 0.3777



15.9974, 0.5359, 0.2970



18.7238, 0.3581, 0.3851



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.



44.9289, 0.4423, 0.4671



65.2750, 0.4580, 0.4723



54.0251, 0.3732, 0.5233



13.3717, 0.3271, 0.3474



25.4170, 0.4602, 0.4728



1.5271, 0.4513, 0.4798

Inverse Universe

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



10.4749, 0.1738, 0.1191



10.7570, 0.1578, 0.0852



8.5705, 0.1923, 0.0984



11.8020, 0.2982, 0.3099



3.9978, 0.1559, 0.0812



0.3390, 0.1653, 0.1151

Previews

White Background



This preview shows how the Yxy color 44.9267, 0.4423, 0.4671 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 44.9267, 0.4423, 0.4671 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 44.9267, 0.4423, 0.4671

Background



This preview shows how black text looks on a background with the Yxy color 44.9267, 0.4423, 0.4671.



This preview shows how white text looks on a background with the Yxy color 44.9267, 0.4423, 0.4671.

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

44.9267, 0.4423, 0.4671

Protanopia

44.8396, 0.4308, 0.4750

Deuteranopia

44.9543, 0.4605, 0.4508



Tritanopia

44.7853, 0.3531, 0.3136

Trichromacy



Original Color

44.9267, 0.4423, 0.4671

Protanomaly

44.8600, 0.4345, 0.4722

Deuteranomaly

44.9102, 0.4545, 0.4562

Tritanomaly

44.1627, 0.3954, 0.3778

Monochromacy



Original Color

44.9267, 0.4423, 0.4671

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.6567, 0.3664, 0.3955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9267, 0.4423, 0.4671 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(210, 176, 43)` looks like.

```
.text, #text, p{  
    color:rgb(210, 176, 43)  
}
```

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(210, 176, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 176, 43) }
```

Border

The CSS property to change the border of an element to Yxy 44.9267, 0.4423, 0.4671 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(210, 176, 43) }
```

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

```
.border{ border-color:rgb(210, 176, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 176, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 176, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 176, 43);  
box-shadow:4px 4px 4px 4px rgb(210, 176,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9267, 0.4423, 0.4671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 176, 43) }
```

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

```
.background{ background-color: rgb(210,  
176, 43) }
```

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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