

Converting Colors

$Y_{xy}(44.8711, 0.4292, 0.4727)$

Have a look what the booklet for
Yxy(44.8711, 0.4292, 0.4727)
contains.

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Color

Yxy(44.8711, 0.4292, 0.4727)

Conversions

Conversions Part 1

Format	Color
Hex	C9B330
RGB	201, 179, 48
RGB Percent	79%, 70%, 19%
CMY	0.2118, 0.2980, 0.8117
CMYK	0.00, 0.11, 0.76, 0.21
HSL	51°, 61%, 49%
HSV	51°, 76%, 79%
XYZ	40.7419, 44.8711, 9.3122
YIQ	170.6440, 55.1630, -36.0770

Conversions

Conversions Part 2

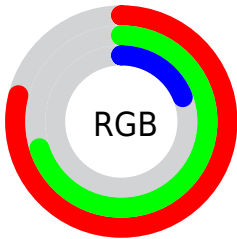
Format	Color
RYB	74, 201, 48
Decimal	13218608
CIELab	72.81, -5.79, 65.00
CIELCh	73, 65.256, 95.092
Yxy	44.8711, 0.4292, 0.4727
Android (android.graphics.Color)	4291408688 (0xFFC9B330)
YUV	170.6440, -60.4635, 26.6222
Hunter-Lab	66.9859, -8.6589, 38.6478

Details

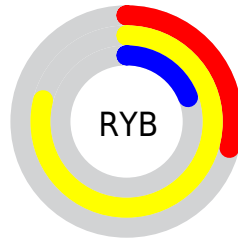
The Yxy color **44.8711, 0.4292, 0.4727** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted orange. A complement of this color would be **9.2293, 0.1756, 0.1161**, and the grayscale version is **40.8275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1051, 0.4084, 0.4527**, and **21.0184, 0.4400, 0.4889** is the 20% darker color. If you saturate the color by 10%, you get **43.5966, 0.4386, 0.4799**, and if you desaturate by 10%, it is **46.2494, 0.4172, 0.4611**.

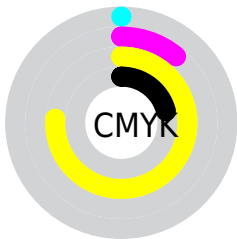
Distribution



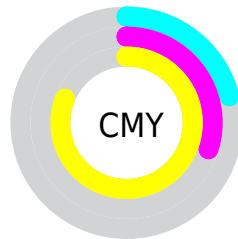
- Red (79%)
- Green (70%)
- Blue (19%)



- Red (29%)
- Yellow (79%)
- Blue (19%)



- Cyan (0%)
- Magenta (11%)
- Yellow (76%)
- Black (21%)





- Cyan (21%)
- Magenta (30%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8711, 0.4292, 0.4727 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 44.8711, 0.4292, 0.4727 by changing the saturation by 10% instead.

 44.8711, 0.4292,
0.4727

 44.8711, 0.4292,
0.4727


366.2513, 0.3771,
0.4058

 31.3559, 0.4388,
0.4861


 82.5269, 0.4125,
0.4505

 20.8700, 0.4487,
0.5009


 107.4364, 0.4056,
0.4415


 13.0290, 0.4585,
0.5170


 136.9127, 0.3993,
0.4336

 7.4485, 0.4664,
0.5336

 171.3403, 0.3938,
0.4266

 3.7442, 0.4610,
0.5390

 211.1036, 0.3889,
0.4205

 1.5315, 0.4516,
0.5484

 256.5869, 0.3845,

 0.3107, 0.3313,

0.4150

0.6687

308.1746, 0.3806,
0.4102

■ 0.0000, 0.0000,
0.0000

■ 44.8711, 0.4292,
0.4727

■ 44.8711, 0.4292,
0.4727

■ 43.5966, 0.4386,
0.4799

■ 46.2494, 0.4172,
0.4611

■ 42.4078, 0.4452,
0.4826

■ 47.7341, 0.4029,
0.4456

■ 41.9602, 0.4473,
0.4830

■ 49.3353, 0.3872,
0.4271

■ 51.0600, 0.3707,
0.4066

■ 52.9145, 0.3539,
0.3850

■ 54.9047, 0.3375,
0.3631

■ 57.0360, 0.3218,
0.3417

■ 59.3135, 0.3071,
0.3211

■ 61.7419, 0.2935,
0.3017

Harmonies

Analogous

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



44.8711, 0.4833, 0.4129



44.8711, 0.4292, 0.4727



44.8711, 0.3491, 0.5004

Triad

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



44.8711, 0.4292, 0.4727



44.8711, 0.1634, 0.2698



44.8711, 0.3443, 0.2353

Complementary

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



44.8711, 0.4292, 0.4727



9.2293, 0.1756, 0.1161

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.



44.8711, 0.2552, 0.2029



44.8711, 0.4292, 0.4727



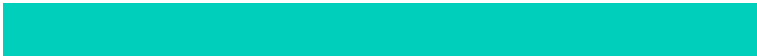
44.8711, 0.1630, 0.2145

Square

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



44.8711, 0.4292, 0.4727



44.8711, 0.1970, 0.3622



44.8711, 0.1934, 0.1945



44.8711, 0.4358, 0.2864

Rectangle

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



44.8711, 0.4292, 0.4727



44.8711, 0.2915, 0.4818



44.8711, 0.1934, 0.1945



44.8711, 0.3126, 0.2221

Sweetspot

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



44.8732, 0.4292, 0.4727



91.5180, 0.3493, 0.3789



14.9883, 0.5393, 0.3075



19.3289, 0.3554, 0.3869



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.



44.8732, 0.4292, 0.4727



73.3686, 0.4429, 0.4820



48.2335, 0.3641, 0.5236



12.1469, 0.3269, 0.3486



26.4856, 0.4469, 0.4834



1.3272, 0.4403, 0.4886

Inverse Universe

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



9.2293, 0.1756, 0.1161



10.2609, 0.1579, 0.0817



9.1327, 0.2070, 0.1110



10.5295, 0.2983, 0.3086



3.2831, 0.1535, 0.0726



0.2370, 0.1622, 0.1040

Previews

White Background



This preview shows how the Yxy color 44.8711, 0.4292, 0.4727 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 44.8711, 0.4292, 0.4727 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 44.8711, 0.4292, 0.4727

Background



This preview shows how black text looks on a background with the Yxy color 44.8711, 0.4292, 0.4727.



This preview shows how white text looks on a background with the Yxy color 44.8711, 0.4292, 0.4727.

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

44.8711, 0.4292, 0.4727

Protanopia

44.8711, 0.4292, 0.4727

Deuteranopia

44.8447, 0.4570, 0.4481



Tritanopia

44.7816, 0.3422, 0.3133

Trichromacy



Original Color

44.8711, 0.4292, 0.4727

Protanomaly

44.8711, 0.4292, 0.4727

Deuteranomaly

44.7251, 0.4474, 0.4562

Tritanomaly

44.0572, 0.3816, 0.3781

Monochromacy



Original Color

44.8711, 0.4292, 0.4727

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.7235, 0.3614, 0.3948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8711, 0.4292, 0.4727 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(201, 179, 48)` looks like.

```
.text, #text, p{  
    color:rgb(201, 179, 48)  
}
```

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(201, 179, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 179, 48) }
```

Border

The CSS property to change the border of an element to Yxy 44.8711, 0.4292, 0.4727 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(201, 179, 48) }
```

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

```
.border{ border-color:rgb(201, 179, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 179, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 179, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 179, 48);  
box-shadow:4px 4px 4px 4px rgb(201, 179,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8711, 0.4292, 0.4727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 179, 48) }
```

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

```
.background{ background-color: rgb(201,  
179, 48) }
```

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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