

Converting Colors

$Y_{xy}(44.8226, 0.4176, 0.4983)$

Have a look what the booklet for
Yxy(44.8226, 0.4176, 0.4983)
contains.

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Color

Yxy(44.7903, 0.4177, 0.4980)

Conversions

Conversions Part 1

Format	Color
Hex	BAB819
RGB	186, 184, 25
RGB Percent	73%, 72%, 10%
CMY	0.2705, 0.2784, 0.9021
CMYK	0.00, 0.01, 0.87, 0.27
HSL	59°, 76%, 41%
HSV	59°, 87%, 73%
XYZ	37.5681, 44.7903, 7.5820
YIQ	166.4720, 52.2310, -49.0250

Conversions

Conversions Part 2

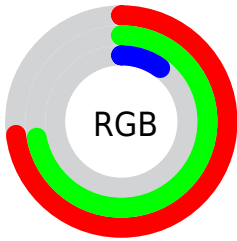
Format	Color
R_{YB}	27, 186, 25
Decimal	12236825
CIE _{Lab}	72.75, -15.62, 70.74
CIE _{LCh}	73, 72.445, 102.449
Yxy	44.7903, 0.4177, 0.4980
Android (android.graphics.Color)	4290426905 (0xFFBAB819)
YUV	166.4720, -69.7457, 17.1261
Hunter-Lab	66.9256, -16.9203, 40.1309

Details

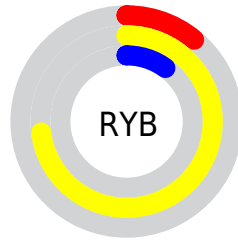
The Yxy color **44.7903, 0.4177, 0.4980** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **4.5344, 0.1582, 0.0743**, and the grayscale version is **38.6995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6343, 0.4049, 0.4715**, and **20.8218, 0.4155, 0.5083** is the 20% darker color. If you saturate the color by 10%, you get **44.6397, 0.4207, 0.5024**, and if you desaturate by 10%, it is **44.9977, 0.4122, 0.4896**.

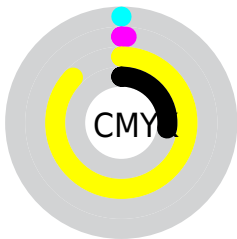
Distribution



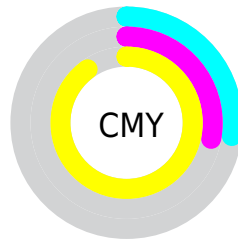
- Red (73%)
- Green (72%)
- Blue (10%)



- Red (11%)
- Yellow (73%)
- Blue (10%)



- Cyan (0%)
- Magenta (1%)
- Yellow (87%)
- Black (27%)




- Cyan (27%)
- Magenta (28%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7903, 0.4177, 0.4980 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 44.7903, 0.4177, 0.4980 by changing the saturation by 10% instead.


 44.7903, 0.4177,
0.4980


 44.7903, 0.4177,
0.4980


365.9236, 0.3737,
0.4181

 31.2923, 0.4243,
0.5142


 82.4056, 0.4047,
0.4714

 20.8215, 0.4299,
0.5321


 107.2918, 0.3989,
0.4605


 12.9936, 0.4360,
0.5552


 136.7427, 0.3936,
0.4511

 7.4241, 0.4298,
0.5702

 171.1429, 0.3888,
0.4428

 3.7287, 0.4145,
0.5855

 210.8766, 0.3844,
0.4355

 1.5230, 0.3882,
0.6118

 256.3284, 0.3805,

 0.3048, 0.0000,

0.4290

1.0000

307.8826, 0.3769,
0.4233

■ 0.0000, 0.0000,
0.0000

■ 44.7903, 0.4177,
0.4980

■ 44.7903, 0.4177,
0.4980

■ 44.6397, 0.4207,
0.5024

■ 44.9977, 0.4122,
0.4896

■ 44.5929, 0.4215,
0.5035

■ 45.2656, 0.4042,
0.4769

■ 45.6036, 0.3937,
0.4602

■ 46.0181, 0.3812,
0.4401

■ 46.5148, 0.3673,
0.4177

■ 47.0989, 0.3525,
0.3937

■ 47.7751, 0.3373,
0.3691

■ 48.5477, 0.3223,
0.3447

■ 49.4210, 0.3078,
0.3211

Harmonies

Analogous

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



44.7903, 0.4876, 0.4343



44.7903, 0.4177, 0.4980



44.7903, 0.3267, 0.5180

Triad

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



44.7903, 0.4177, 0.4980



44.7903, 0.1473, 0.2435



44.7903, 0.3733, 0.2387

Complementary

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



44.7903, 0.4177, 0.4980



4.5344, 0.1582, 0.0743

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.



44.7903, 0.2706, 0.1985



44.7903, 0.4177, 0.4980



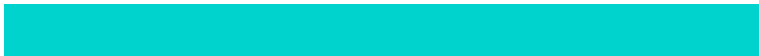
44.7903, 0.1554, 0.1951

Square

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



44.7903, 0.4177, 0.4980



44.7903, 0.1732, 0.3365



44.7903, 0.1957, 0.1826



44.7903, 0.4693, 0.2968

Rectangle

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



44.7903, 0.4177, 0.4980



44.7903, 0.2650, 0.4839



44.7903, 0.1957, 0.1826



44.7903, 0.3375, 0.2229

Sweetspot

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



44.7924, 0.4177, 0.4980



85.3715, 0.3522, 0.3933



11.2165, 0.6089, 0.3283



18.7149, 0.3575, 0.4018



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.7924, 0.4177, 0.4980



80.7835, 0.4215, 0.5035



38.3931, 0.3450, 0.5532



10.4836, 0.3264, 0.3513



30.0040, 0.4215, 0.5035



1.0639, 0.4209, 0.5040

Inverse Universe

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



4.5344, 0.1582, 0.0743



6.4916, 0.1502, 0.0606



7.1110, 0.2144, 0.1031



8.7370, 0.2984, 0.3057



2.4273, 0.1503, 0.0610



0.0917, 0.1514, 0.0649

Previews

White Background



This preview shows how the Yxy color 44.7903, 0.4177, 0.4980 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 44.7903, 0.4177, 0.4980 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 44.7903, 0.4177, 0.4980

Background



This preview shows how black text looks on a background with the Yxy color 44.7903, 0.4177, 0.4980.



This preview shows how white text looks on a background with the Yxy color 44.7903, 0.4177, 0.4980.

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

44.7903, 0.4177, 0.4980

Protanopia

44.7196, 0.4368, 0.4840

Deuteranopia

44.5109, 0.4652, 0.4545



Tritanopia

44.6344, 0.3253, 0.3115

Trichromacy



Original Color

44.7903, 0.4177, 0.4980

Protanomaly

44.8495, 0.4300, 0.4889

Deuteranomaly

44.2253, 0.4488, 0.4697

Tritanomaly

44.0523, 0.3713, 0.3932

Monochromacy



Original Color

44.7903, 0.4177, 0.4980

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

40.0092, 0.3623, 0.4109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7903, 0.4177, 0.4980 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(186, 184, 25)` looks like.

```
.text, #text, p{  
    color:rgb(186, 184, 25)  
}
```

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(186, 184, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 184, 25) }
```

Border

The CSS property to change the border of an element to Yxy 44.7903, 0.4177, 0.4980 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(186, 184, 25) }
```

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

```
.border{ border-color:rgb(186, 184, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 184, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 184, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 184, 25);  
box-shadow:4px 4px 4px 4px rgb(186, 184,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7903, 0.4177, 0.4980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 184, 25) }
```

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

```
.background{ background-color: rgb(186,  
184, 25) }
```

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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