

Converting Colors

$Y_{xy}(42.1616, 0.4134, 0.5100)$

Have a look what the booklet for
Yxy(42.1616, 0.4134, 0.5100)
contains.

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Color

Yxy(42.1617, 0.4136, 0.5098)

Conversions

Conversions Part 1

Format	Color
Hex	AFB500
RGB	175, 181, 0
RGB Percent	69%, 71%, 0%
CMY	0.3137, 0.2902, 1.0000
CMYK	0.03, 0.00, 1.00, 0.29
HSL	62°, 100%, 35%
HSV	62°, 100%, 71%
XYZ	34.2057, 42.1617, 6.3350
YIQ	158.5720, 54.5250, -57.5630

Conversions

Conversions Part 2

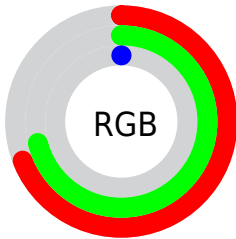
Format	Color
RYB	0, 181, 6
Decimal	11515136
CIELab	70.98, -19.27, 72.47
CIELCh	71, 74.990, 104.893
Yxy	42.1617, 0.4136, 0.5098
Android (android.graphics.Color)	4289705216 (0xFFAFB500)
YUV	158.5720, -78.1760, 14.4074
Hunter-Lab	64.9320, -19.5986, 39.6679

Details

The Yxy color **42.1617, 0.4136, 0.5098** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.3752, 0.1510, 0.0606**, and the grayscale version is **34.8130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6253, 0.4017, 0.4813**, and **19.2899, 0.4061, 0.5157** is the 20% darker color. If you saturate the color by 10%, you get **42.1636, 0.4136, 0.5098**, and if you desaturate by 10%, it is **42.2771, 0.4119, 0.5054**.

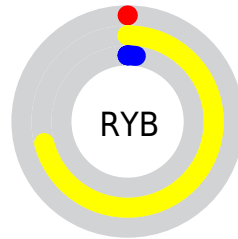
Distribution



Red (69%)

Green (71%)

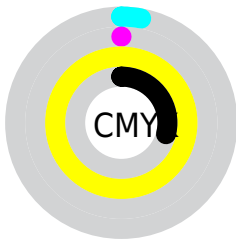
Blue (0%)



Red (0%)

Yellow (71%)

Blue (2%)

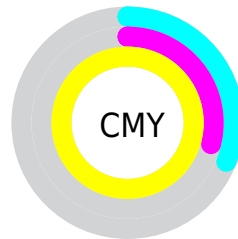


Cyan (3%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (31%)

Magenta (29%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1617, 0.4136, 0.5098 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 42.1617, 0.4136, 0.5098 by changing the saturation by 10% instead.

■ 42.1617, 0.4136,
0.5098

■ 42.1617, 0.4136,
0.5098

■ 355.1528, 0.3725,
0.4232

■ 29.2279, 0.4189,
0.5274

■ 78.4443, 0.4021,
0.4808

■ 19.2533, 0.4224,
0.5468

■ 102.5619, 0.3966,
0.4691

■ 11.8535, 0.4265,
0.5735

■ 131.1762, 0.3916,
0.4588

■ 6.6440, 0.4132,
0.5868

■ 164.6717, 0.3870,
0.4498

■ 3.2405, 0.3924,
0.6076

■ 203.4327, 0.3829,
0.4419

■ 1.2585, 0.3525,
0.6475

■ 247.8436, 0.3791,

■ 0.1087, 0.0000,

0.4350

1.0000

298.2889, 0.3757,
0.4288

■ 0.0000, 0.0000,
0.0000

■ 42.1617, 0.4136,
0.5098

■ 42.1617, 0.4136,
0.5098

■ 42.1636, 0.4136,
0.5098

■ 42.2771, 0.4119,
0.5054

■ 42.4315, 0.4081,
0.4976

■ 42.6421, 0.4018,
0.4855

■ 42.9164, 0.3930,
0.4693

■ 43.2608, 0.3820,
0.4496

■ 43.6806, 0.3693,
0.4272

■ 44.1809, 0.3556,
0.4031

■ 44.7662, 0.3412,
0.3781

■ 45.4407, 0.3268,
0.3532

Harmonies

Analogous

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



42.1617, 0.4903, 0.4429



42.1617, 0.4136, 0.5098



42.1617, 0.3177, 0.5276

Triad

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



42.1617, 0.4136, 0.5098



42.1617, 0.1399, 0.2327



42.1617, 0.3856, 0.2389

Complementary

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



42.1617, 0.4136, 0.5098



3.3752, 0.1510, 0.0606

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.



42.1617, 0.2761, 0.1954



42.1617, 0.4136, 0.5098



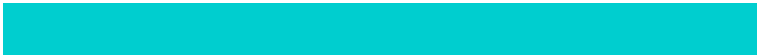
42.1617, 0.1510, 0.1866

Square

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



42.1617, 0.4136, 0.5098



42.1617, 0.1629, 0.3264



42.1617, 0.1953, 0.1768



42.1617, 0.4842, 0.2998

Rectangle

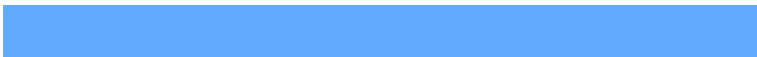
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.1617, 0.4136, 0.5098



42.1617, 0.2541, 0.4868



42.1617, 0.1953, 0.1768



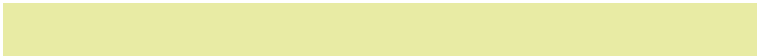
42.1617, 0.3476, 0.2220

Sweetspot

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



42.1637, 0.4136, 0.5098



79.0776, 0.3563, 0.4043



9.8896, 0.6388, 0.3310



17.0080, 0.3621, 0.4145



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.1637, 0.4136, 0.5098



75.4931, 0.4135, 0.5099



35.0978, 0.3345, 0.5726



9.8921, 0.3258, 0.3515



29.0728, 0.4137, 0.5097



0.9192, 0.4153, 0.5084

Inverse Universe

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



3.3752, 0.1510, 0.0606



6.0251, 0.1508, 0.0604



5.6910, 0.2058, 0.0907



8.2431, 0.2990, 0.3055



2.3326, 0.1513, 0.0607



0.0778, 0.1566, 0.0636

Previews

White Background



This preview shows how the Yxy color 42.1617, 0.4136, 0.5098 looks on a white background.

Color Contrast Check

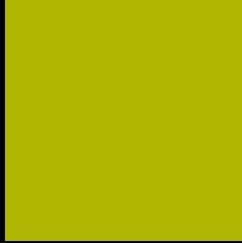
Large Text (above 18pt) WCAG AA × Fail

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 42.1617, 0.4136, 0.5098 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 42.1617, 0.4136, 0.5098

Background



This preview shows how black text looks on a background with the Yxy color 42.1617, 0.4136, 0.5098.



This preview shows how white text looks on a background with the Yxy color 42.1617, 0.4136, 0.5098.

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

42.1617, 0.4136, 0.5098

Protanopia

42.0079, 0.4406, 0.4884

Deuteranopia

42.0542, 0.4666, 0.4577



Tritanopia

41.9063, 0.3190, 0.3121

Trichromacy



Original Color

42.1617, 0.4136, 0.5098

Protanomaly

42.1356, 0.4299, 0.4968

Deuteranomaly

41.8660, 0.4479, 0.4771

Tritanomaly

41.1922, 0.3721, 0.4080

Monochromacy



Original Color

42.1617, 0.4136, 0.5098

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.5764, 0.3686, 0.4255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1617, 0.4136, 0.5098 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(175, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 181, 0)  
}
```

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(175, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 181, 0) }
```

Border

The CSS property to change the border of an element to Yxy 42.1617, 0.4136, 0.5098 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(175, 181, 0) }
```

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

```
.border{ border-color:rgb(175, 181, 0) }
```

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

Here you see how a box with a 4 pixel rgb(175, 181, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 181,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1617, 0.4136, 0.5098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 181, 0) }
```

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

```
.background{ background-color: rgb(175,  
181, 0) }
```

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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