

Converting Colors

Yxy(42.3627, 0.4117, 0.5100)

Have a look what the booklet for
Yxy(42.3627, 0.4117, 0.5100)
contains.

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Color

Yxy(42.4655, 0.4111, 0.5103)

Conversions

Conversions Part 1

Format	Color
Hex	AEB605
RGB	174, 182, 5
RGB Percent	68%, 71%, 2%
CMY	0.3177, 0.2863, 0.9798
CMYK	0.04, 0.00, 0.97, 0.29
HSL	63°, 94%, 37%
HSV	63°, 97%, 71%
XYZ	34.2104, 42.4655, 6.5408
YIQ	159.4300, 52.0490, -56.7430

Conversions

Conversions Part 2

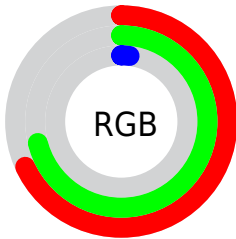
Format	Color
R_{YB}	5, 182, 13
Decimal	11449861
CIE _{Lab}	71.19, -20.16, 72.00
CIE _{LCh}	71, 74.768, 105.639
Yxy	42.4655, 0.4111, 0.5103
Android (android.graphics.Color)	4289639941 (0xFFAEB605)
YUV	159.4300, -76.1340, 12.7779
Hunter-Lab	65.1656, -20.3314, 39.6648

Details

The Yxy color **42.4655, 0.4111, 0.5103** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.5762, 0.1528, 0.0630**, and the grayscale version is **35.2248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0668, 0.3996, 0.4812**, and **19.4824, 0.4036, 0.5178** is the 20% darker color. If you saturate the color by 10%, you get **42.4294, 0.4115, 0.5115**, and if you desaturate by 10%, it is **42.6145, 0.4092, 0.5051**.

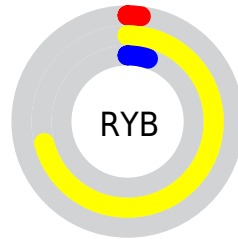
Distribution



Red (68%)

Green (71%)

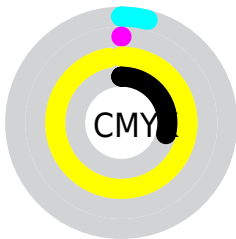
Blue (2%)



Red (2%)

Yellow (71%)

Blue (5%)

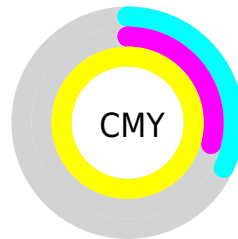


Cyan (4%)

Magenta (0%)

Yellow (97%)

Black (29%)



Cyan (32%)


Magenta (29%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4655, 0.4111, 0.5103 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 42.4655, 0.4111, 0.5103 by changing the saturation by 10% instead.


 42.4655, 0.4111,
0.5103


 42.4655, 0.4111,
0.5103


356.4090, 0.3712,
0.4231

 29.4660, 0.4162,
0.5282


 78.9037, 0.3999,
0.4810

 19.4336, 0.4196,
0.5481


 103.1111, 0.3946,
0.4691


 11.9840, 0.4239,
0.5761


 131.8232, 0.3898,
0.4588

 6.7328, 0.4100,
0.5900

 165.4245, 0.3853,
0.4498

 3.2956, 0.3884,
0.6116

 204.2993, 0.3813,
0.4419

 1.2879, 0.3474,
0.6526

 248.8321, 0.3776,

 0.1318, 0.0000,

0.4349

1.0000

299.4072, 0.3742,
0.4287

■ 0.0000, 0.0000,
0.0000

■ 42.4655, 0.4111,
0.5103

■ 42.4655, 0.4111,
0.5103

■ 42.4294, 0.4115,
0.5115

■ 42.6145, 0.4092,
0.5051

■ 42.8107, 0.4049,
0.4958

■ 43.0665, 0.3981,
0.4823

■ 43.3890, 0.3889,
0.4648

■ 43.7843, 0.3776,
0.4440

■ 44.2579, 0.3648,
0.4208

■ 44.8145, 0.3510,
0.3962

■ 45.4589, 0.3368,
0.3711

■ 46.1950, 0.3226,
0.3463

Harmonies

Analogous

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



42.4655, 0.4882, 0.4445



42.4655, 0.4111, 0.5103



42.4655, 0.3154, 0.5258

Triad

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



42.4655, 0.4111, 0.5103



42.4655, 0.1404, 0.2315



42.4655, 0.3880, 0.2406

Complementary

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



42.4655, 0.4111, 0.5103



3.5762, 0.1528, 0.0630

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.



42.4655, 0.2787, 0.1968



42.4655, 0.4111, 0.5103



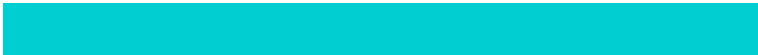
42.4655, 0.1524, 0.1866

Square

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



42.4655, 0.4111, 0.5103



42.4655, 0.1625, 0.3236



42.4655, 0.1973, 0.1775



42.4655, 0.4851, 0.3017

Rectangle

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



42.4655, 0.4111, 0.5103



42.4655, 0.2522, 0.4834



42.4655, 0.1973, 0.1775



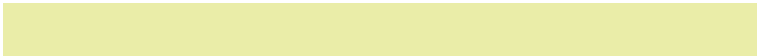
42.4655, 0.3503, 0.2236

Sweetspot

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



42.4675, 0.4111, 0.5103



80.9947, 0.3543, 0.4020



10.1974, 0.6326, 0.3318



17.7936, 0.3602, 0.4125



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



42.4675, 0.4111, 0.5103



76.8897, 0.4113, 0.5116



35.5288, 0.3337, 0.5713



10.4821, 0.3257, 0.3516



29.9690, 0.4116, 0.5114



1.0629, 0.4137, 0.5097

Inverse Universe

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



3.5762, 0.1528, 0.0630



6.1926, 0.1510, 0.0606



6.1687, 0.2121, 0.0955



8.7384, 0.2991, 0.3054



2.4306, 0.1517, 0.0609



0.0923, 0.1586, 0.0647

Previews

White Background



This preview shows how the Yxy color 42.4655, 0.4111, 0.5103 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 42.4655, 0.4111, 0.5103 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 42.4655, 0.4111, 0.5103

Background



This preview shows how black text looks on a background with the Yxy color 42.4655, 0.4111, 0.5103.



This preview shows how white text looks on a background with the Yxy color 42.4655, 0.4111, 0.5103.

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

42.4655, 0.4111, 0.5103

Protanopia

42.5303, 0.4405, 0.4884

Deuteranopia

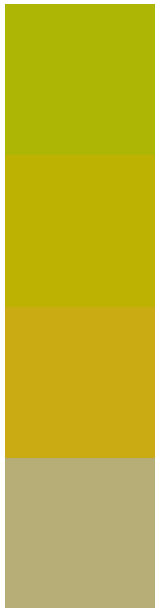
42.2146, 0.4672, 0.4567



Tritanopia

42.3181, 0.3180, 0.3121

Trichromacy



Original Color

42.4655, 0.4111, 0.5103

Protanomaly

42.6640, 0.4296, 0.4965

Deuteranomaly

41.8728, 0.4475, 0.4766

Tritanomaly

41.5252, 0.3682, 0.4056

Monochromacy



Original Color

42.4655, 0.4111, 0.5103

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.5092, 0.3659, 0.4230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4655, 0.4111, 0.5103 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(174, 182, 5)` looks like.

```
.text, #text, p{  
    color:rgb(174, 182, 5)  
}
```

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(174, 182, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 182, 5) }
```

Border

The CSS property to change the border of an element to Yxy 42.4655, 0.4111, 0.5103 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(174, 182, 5) }
```

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

```
.border{ border-color:rgb(174, 182, 5) }
```

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

Here you see how a box with a 4 pixel rgb(174, 182, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 182, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 182, 5);  
box-shadow:4px 4px 4px 4px rgb(174, 182,  
5) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4655, 0.4111, 0.5103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 182, 5) }
```

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

```
.background{ background-color: rgb(174,  
182, 5) }
```

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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