

Converting Colors

$Y_{xy}(42.1065, 0.4135, 0.4521)$

Have a look what the booklet for
Yxy(42.1065, 0.4135, 0.4521)
contains.

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Color

Yxy(42.2359, 0.4133, 0.4520)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C2AE4A |
| RGB | 194, 174, 74 |
| RGB Percent | 76%, 68%, 29% |
| CMY | 0.2392, 0.3176, 0.7100 |
| CMYK | 0.00, 0.10, 0.62, 0.24 |
| HSL | 50°, 50%, 53% |
| HSV | 50°, 62%, 76% |
| XYZ | 38.6197, 42.2359, 12.5867 |
| YIQ | 168.5800, 44.0200, -26.8600 |

Conversions

Conversions Part 2

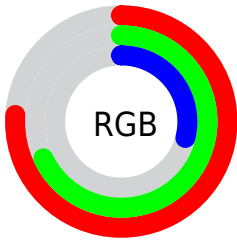
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 98, 194, 74 |
| Decimal | 12758602 |
| CIE _{Lab} | 71.03, -4.81, 52.63 |
| CIE _{LCh} | 71, 52.849, 95.221 |
| Yxy | 42.2359, 0.4133, 0.4520 |
| Android (android.graphics.Color) | 4290948682 (0xFFC2AE4A) |
| YUV | 168.5800, -46.6279, 22.2933 |
| Hunter-Lab | 64.9892, -7.6577, 34.0095 |

Details

The Yxy color **42.2359, 0.4133, 0.4520** is a dark color, and the websafe version is hex **999933**. The color can be described as middle muted orange. A complement of this color would be **13.3459, 0.2003, 0.1615**, and the grayscale version is **39.6752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4276, 0.3977, 0.4314**, and **19.2811, 0.4342, 0.4815** is the 20% darker color. If you saturate the color by 10%, you get **40.7819, 0.4271, 0.4651**, and if you desaturate by 10%, it is **43.8046, 0.3977, 0.4354**.

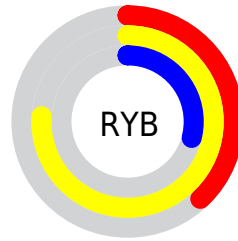
Distribution



Red (76%)

Green (68%)

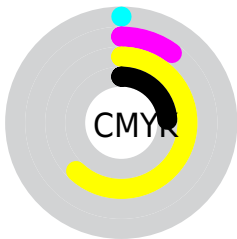
Blue (29%)



Red (38%)

Yellow (76%)

Blue (29%)

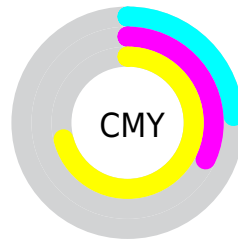


Cyan (0%)

Magenta (10%)

Yellow (62%)

Black (24%)



Cyan (24%)

Magenta (32%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2359, 0.4133, 0.4520 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 42.2359, 0.4133, 0.4520 by changing the saturation by 10% instead.


 42.2359, 0.4133,
0.4520


 42.2359, 0.4133,
0.4520


355.4599, 0.3658,
0.3922

 29.2861, 0.4233,
0.4653


 78.5565, 0.3972,
0.4313

 19.2973, 0.4346,
0.4808


 102.6961, 0.3908,
0.4231

 11.8853, 0.4467,
0.4987


 131.3344, 0.3852,
0.4161

 6.6656, 0.4671,
0.5281

 164.8557, 0.3803,
0.4101

 3.2539, 0.4644,
0.5356

 203.6445, 0.3760,
0.4047

 1.2657, 0.4558,
0.5442

248.0853, 0.3722,

 0.1144, 0.0000,

0.4001

1.0000

298.5622, 0.3688,
0.3959

■ 0.0000, 0.0000,
0.0000

■ 42.2359, 0.4133,
0.4520

■ 42.2359, 0.4133,
0.4520

■ 40.7819, 0.4271,
0.4651

■ 43.8046, 0.3977,
0.4354

■ 39.4286, 0.4384,
0.4739

■ 45.4888, 0.3810,
0.4163

■ 38.1687, 0.4470,
0.4783

■ 47.2968, 0.3640,
0.3957

■ 37.2002, 0.4522,
0.4791

■ 49.2343, 0.3471,
0.3745

■ 51.3065, 0.3308,
0.3533

■ 53.5183, 0.3155,
0.3328

■ 55.8744, 0.3012,
0.3132

■ 58.3791, 0.2882,
0.2950

■ 61.0366, 0.2763,
0.2780

Harmonies

Analogous

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



42.2359, 0.4568, 0.4046



42.2359, 0.4133, 0.4520



42.2359, 0.3460, 0.4694

Triad

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



42.2359, 0.4133, 0.4520



42.2359, 0.1853, 0.2813



42.2359, 0.3401, 0.2494

Complementary

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



42.2359, 0.4133, 0.4520



13.3459, 0.2003, 0.1615

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.



42.2359, 0.2654, 0.2209



42.2359, 0.4133, 0.4520



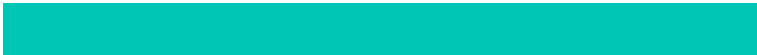
42.2359, 0.1844, 0.2328

Square

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



42.2359, 0.4133, 0.4520



42.2359, 0.2156, 0.3570



42.2359, 0.2114, 0.2141



42.2359, 0.4149, 0.2944

Rectangle

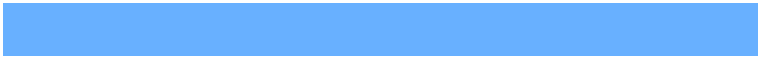
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.2359, 0.4133, 0.4520



42.2359, 0.2970, 0.4519



42.2359, 0.2114, 0.2141



42.2359, 0.3139, 0.2378

Sweetspot

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



42.2379, 0.4133, 0.4520



90.1410, 0.3428, 0.3690



17.1686, 0.4739, 0.3046



19.5063, 0.3477, 0.3752



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.



42.2379, 0.4133, 0.4520



73.0564, 0.4311, 0.4685



45.9477, 0.3626, 0.4922



11.4635, 0.3269, 0.3480



24.5603, 0.4517, 0.4795



1.1388, 0.4434, 0.4862

Inverse Universe

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



13.3459, 0.2003, 0.1615



16.7069, 0.1783, 0.1235



12.3619, 0.2279, 0.1473



10.0131, 0.2983, 0.3092



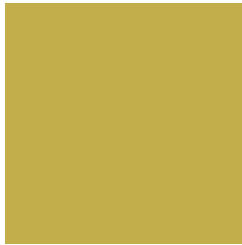
3.3338, 0.1544, 0.0758



0.2305, 0.1647, 0.1128

Previews

White Background



This preview shows how the Yxy color 42.2359, 0.4133, 0.4520 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 42.2359, 0.4133, 0.4520 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 42.2359, 0.4133, 0.4520

Background



This preview shows how black text looks on a background with the Yxy color 42.2359, 0.4133, 0.4520.



This preview shows how white text looks on a background with the Yxy color 42.2359, 0.4133, 0.4520.

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

42.2359, 0.4133, 0.4520

Protanopia

42.1040, 0.4123, 0.4525

Deuteranopia

42.0310, 0.4405, 0.4298



Tritanopia

42.0255, 0.3391, 0.3128

Trichromacy



Original Color

42.2359, 0.4133, 0.4520

Protanomaly

42.1040, 0.4123, 0.4525

Deuteranomaly

41.9232, 0.4310, 0.4377

Tritanomaly

41.7809, 0.3699, 0.3654

Monochromacy



Original Color

42.2359, 0.4133, 0.4520

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.3120, 0.3515, 0.3806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2359, 0.4133, 0.4520 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(194, 174, 74)` looks like.

```
.text, #text, p{  
    color:rgb(194, 174, 74)  
}
```

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(194, 174, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 174, 74) }
```

Border

The CSS property to change the border of an element to Yxy 42.2359, 0.4133, 0.4520 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(194, 174, 74) }
```

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

```
.border{ border-color:rgb(194, 174, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 174, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 174, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 174, 74);  
box-shadow:4px 4px 4px 4px rgb(194, 174,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2359, 0.4133, 0.4520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 174, 74) }
```

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

```
.background{ background-color: rgb(194,  
174, 74) }
```

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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