

Converting Colors

$Y_{xy}(41.9253, 0.4210, 0.4655)$

Have a look what the booklet for
Yxy(41.9253, 0.4210, 0.4655)
contains.

Yxy(41.9253, 0.4210, 0.4655)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.9253, 0.4210, 0.4655)

Conversions

Conversions Part 1

Format	Color
Hex	C1AE3B
RGB	193, 174, 59
RGB Percent	76%, 68%, 23%
CMY	0.2431, 0.3176, 0.7689
CMYK	0.00, 0.10, 0.69, 0.24
HSL	51°, 53%, 49%
HSV	51°, 69%, 76%
XYZ	37.9174, 41.9253, 10.2224
YIQ	166.5710, 48.2390, -31.7370

Conversions

Conversions Part 2

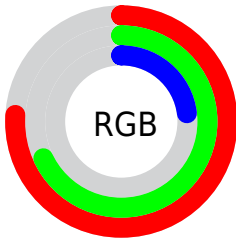
Format	Color
RYB	81, 193, 59
Decimal	12693051
CIELab	70.82, -6.15, 58.79
CIELCh	71, 59.110, 95.968
Yxy	41.9253, 0.4210, 0.4655
Android (android.graphics.Color)	4290883131 (0xFFC1AE3B)
YUV	166.5710, -53.0325, 23.1782
Hunter-Lab	64.7497, -8.7826, 35.9644

Details

The Yxy color **41.9253, 0.4210, 0.4655** 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 **10.2180, 0.1860, 0.1344**, and the grayscale version is **38.6673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9263, 0.4043, 0.4428**, and **19.1533, 0.4381, 0.4903** is the 20% darker color. If you saturate the color by 10%, you get **40.7167, 0.4321, 0.4757**, and if you desaturate by 10%, it is **43.2334, 0.4075, 0.4512**.

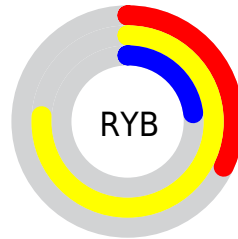
Distribution



Red (76%)

Green (68%)

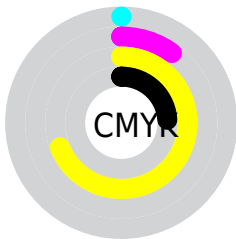
Blue (23%)



Red (32%)

Yellow (76%)

Blue (23%)

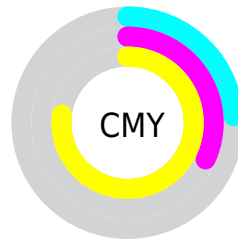


Cyan (0%)

Magenta (10%)

Yellow (69%)

Black (24%)



Cyan (24%)


Magenta (32%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9253, 0.4210, 0.4655 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 41.9253, 0.4210, 0.4655 by changing the saturation by 10% instead.


 41.9253, 0.4210,
0.4655


 41.9253, 0.4210,
0.4655


354.1732, 0.3710,
0.4000


 29.0428, 0.4308,
0.4794


 78.0866, 0.4046,
0.4432


 19.1132, 0.4413,
0.4953


 102.1341, 0.3978,
0.4343

 11.7521, 0.4517,
0.5129


 130.6721, 0.3919,
0.4266

 6.5751, 0.4642,
0.5358

 164.0850, 0.3867,
0.4198

 3.1978, 0.4578,
0.5422

 202.7572, 0.3821,
0.4139

 1.2359, 0.4465,
0.5535

247.0730, 0.3780,

 0.0907, 0.0000,

0.4087

1.0000

297.4169, 0.3743,
0.4041

0.0000, 0.0000,
0.0000

41.9253, 0.4210,
0.4655

41.9253, 0.4210,
0.4655

40.7167, 0.4321,
0.4757

43.2334, 0.4075,
0.4512

39.5929, 0.4405,
0.4815

44.6424, 0.3923,
0.4336

38.5400, 0.4465,
0.4834

46.1609, 0.3760,
0.4136

38.4845, 0.4468,
0.4834

47.7949, 0.3594,
0.3923

49.5498, 0.3429,
0.3704

■ 51.4305, 0.3270,
0.3488

■ 53.4419, 0.3119,
0.3279

■ 55.5883, 0.2980,
0.3081

■ 57.8738, 0.2851,
0.2896

Harmonies

Analogous

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



41.9253, 0.4715, 0.4114



41.9253, 0.4210, 0.4655



41.9253, 0.3458, 0.4872

Triad

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



41.9253, 0.4210, 0.4655



41.9253, 0.1720, 0.2728



41.9253, 0.3450, 0.2423

Complementary

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



41.9253, 0.4210, 0.4655



10.2180, 0.1860, 0.1344

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.



41.9253, 0.2615, 0.2109



41.9253, 0.4210, 0.4655



41.9253, 0.1722, 0.2212

Square

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



41.9253, 0.4210, 0.4655



41.9253, 0.2035, 0.3574



41.9253, 0.2021, 0.2024



41.9253, 0.4290, 0.2913

Rectangle

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



41.9253, 0.4210, 0.4655



41.9253, 0.2917, 0.4676



41.9253, 0.2021, 0.2024



41.9253, 0.3155, 0.2295

Sweetspot

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



41.9273, 0.4210, 0.4655



88.1362, 0.3459, 0.3745



15.0246, 0.5097, 0.3067



18.7183, 0.3505, 0.3806



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



41.9273, 0.4210, 0.4655



71.9284, 0.4365, 0.4791



44.5756, 0.3632, 0.5102



11.5071, 0.3268, 0.3486



25.6842, 0.4464, 0.4838



1.1779, 0.4395, 0.4893

Inverse Universe

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



10.2180, 0.1860, 0.1344



12.0172, 0.1653, 0.0968



10.0274, 0.2177, 0.1275



9.9732, 0.2983, 0.3086



3.1644, 0.1535, 0.0724



0.2126, 0.1627, 0.1056

Previews

White Background



This preview shows how the Yxy color 41.9253, 0.4210, 0.4655 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 41.9253, 0.4210, 0.4655 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 41.9253, 0.4210, 0.4655

Background



This preview shows how black text looks on a background with the Yxy color 41.9253, 0.4210, 0.4655.



This preview shows how white text looks on a background with the Yxy color 41.9253, 0.4210, 0.4655.

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

41.9253, 0.4210, 0.4655

Protanopia

42.0572, 0.4219, 0.4649

Deuteranopia

41.8570, 0.4494, 0.4411



Tritanopia

41.8461, 0.3390, 0.3139

Trichromacy



Original Color

41.9253, 0.4210, 0.4655

Protanomaly

42.0572, 0.4219, 0.4649

Deuteranomaly

41.7521, 0.4397, 0.4493

Tritanomaly

41.4730, 0.3746, 0.3734

Monochromacy



Original Color

41.9253, 0.4210, 0.4655

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.5381, 0.3551, 0.3882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9253, 0.4210, 0.4655 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(193, 174, 59)` looks like.

```
.text, #text, p{  
    color:rgb(193, 174, 59)  
}
```

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(193, 174, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 174, 59) }
```

Border

The CSS property to change the border of an element to Yxy 41.9253, 0.4210, 0.4655 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(193, 174, 59) }
```

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

```
.border{ border-color:rgb(193, 174, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 174, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 174, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 174, 59);  
box-shadow:4px 4px 4px 4px rgb(193, 174,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9253, 0.4210, 0.4655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 174, 59) }
```

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

```
.background{ background-color: rgb(193,  
174, 59) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor