

Converting Colors

$Yxy(41.8156, 0.4342, 0.4531)$

Have a look what the booklet for
Yxy(41.8156, 0.4342, 0.4531)
contains.

Yxy(41.9237, 0.4340, 0.4535)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.9237, 0.4340, 0.4535)

Conversions

Conversions Part 1

Format	Color
Hex	CCAA3D
RGB	204, 170, 61
RGB Percent	80%, 67%, 24%
CMY	0.2000, 0.3333, 0.7606
CMYK	0.00, 0.17, 0.70, 0.20
HSL	46°, 58%, 52%
HSV	46°, 70%, 80%
XYZ	40.1210, 41.9237, 10.4000
YIQ	167.7400, 55.2530, -26.6910

Conversions

Conversions Part 2

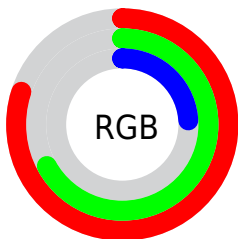
Format	Color
RYB	106, 204, 61
Decimal	13412925
CIELab	70.82, 0.86, 58.26
CIELCh	71, 58.270, 89.159
Yxy	41.9237, 0.4340, 0.4535
Android (android.graphics.Color)	4291603005 (0xFFCCAA3D)
YUV	167.7400, -52.6228, 31.8000
Hunter-Lab	64.7485, -2.7034, 35.8007

Details

The Yxy color **41.9237, 0.4340, 0.4535** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **13.5490, 0.1895, 0.1517**, and the grayscale version is **39.2703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3253, 0.4082, 0.4376**, and **19.0679, 0.4570, 0.4753** is the 20% darker color. If you saturate the color by 10%, you get **39.9599, 0.4484, 0.4621**, and if you desaturate by 10%, it is **44.0423, 0.4174, 0.4407**.

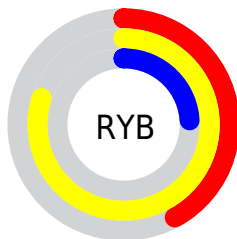
Distribution



Red (80%)

Green (67%)

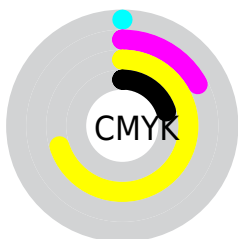
Blue (24%)



Red (42%)

Yellow (80%)

Blue (24%)

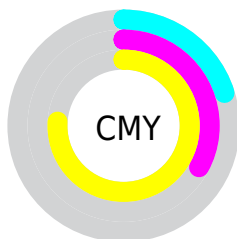


Cyan (0%)

Magenta (17%)

Yellow (70%)

Black (20%)



Cyan (20%)


Magenta (33%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9237, 0.4340, 0.4535 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 41.9237, 0.4340, 0.4535 by changing the saturation by 10% instead.


 41.9237, 0.4340,
0.4535


 41.9237, 0.4340,
0.4535


354.1665, 0.3770,
0.3953

 29.0416, 0.4457,
0.4653


 78.0841, 0.4149,
0.4341


 19.1123, 0.4587,
0.4784


 102.1312, 0.4072,
0.4262

 11.7514, 0.4725,
0.4920


 130.6687, 0.4004,
0.4193

 6.5746, 0.4905,
0.5095

 164.0811, 0.3945,
0.4133

 3.1975, 0.4913,
0.5087

 202.7526, 0.3893,
0.4080

 1.2357, 0.4928,
0.5072

247.0678, 0.3847,

 0.0906, 0.5415,

0.4033

0.4585

297.4110, 0.3806,
0.3990

0.0000, 0.0000,
0.0000

41.9237, 0.4340,
0.4535

41.9237, 0.4340,
0.4535

39.9599, 0.4484,
0.4621

44.0423, 0.4174,
0.4407

38.1340, 0.4601,
0.4660

46.3189, 0.3994,
0.4247

36.4402, 0.4691,
0.4657

48.7636, 0.3809,
0.4065

51.3837, 0.3625,
0.3871

54.1861, 0.3449,
0.3673

■ 57.1771, 0.3282,
0.3479

■ 60.3625, 0.3128,
0.3291

■ 63.7480, 0.2987,
0.3114

■ 67.3389, 0.2860,
0.2949

Harmonies

Analogous

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



41.9237, 0.4753, 0.3971



41.9237, 0.4340, 0.4535



41.9237, 0.3636, 0.4847

Triad

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



41.9237, 0.4340, 0.4535



41.9237, 0.1779, 0.2902



41.9237, 0.3248, 0.2345

Complementary

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



41.9237, 0.4340, 0.4535



13.5490, 0.1895, 0.1517

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.



41.9237, 0.2464, 0.2082



41.9237, 0.4340, 0.4535



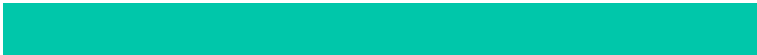
41.9237, 0.1712, 0.2311

Square

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



41.9237, 0.4340, 0.4535



41.9237, 0.2165, 0.3785



41.9237, 0.1941, 0.2056



41.9237, 0.4104, 0.2797

Rectangle

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



41.9237, 0.4340, 0.4535



41.9237, 0.3102, 0.4754



41.9237, 0.1941, 0.2056



41.9237, 0.2965, 0.2233

Sweetspot

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



41.9257, 0.4340, 0.4535



89.1587, 0.3469, 0.3697



17.0409, 0.4885, 0.2898



18.8014, 0.3518, 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.



41.9257, 0.4340, 0.4535



64.6276, 0.4547, 0.4646



51.8796, 0.3755, 0.5041



12.6268, 0.3271, 0.3466



23.0846, 0.4682, 0.4664



1.3030, 0.4568, 0.4755

Inverse Universe

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



13.5490, 0.1895, 0.1517



15.2986, 0.1693, 0.1138



10.2336, 0.2035, 0.1191



11.2700, 0.2983, 0.3108



4.2232, 0.1577, 0.0876



0.3391, 0.1684, 0.1261

Previews

White Background



This preview shows how the Yxy color 41.9237, 0.4340, 0.4535 looks on a white background.

Color Contrast Check

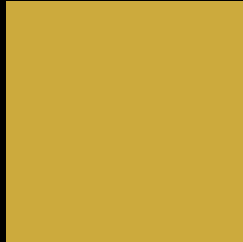
Large Text (above 18pt) WCAG AA × Fail

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 41.9237, 0.4340, 0.4535 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 41.9237, 0.4340, 0.4535

Background



This preview shows how black text looks on a background with the Yxy color 41.9237, 0.4340, 0.4535.



This preview shows how white text looks on a background with the Yxy color 41.9237, 0.4340, 0.4535.

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

41.9237, 0.4340, 0.4535

Protanopia

42.0892, 0.4203, 0.4625

Deuteranopia

41.8681, 0.4488, 0.4404



Tritanopia

41.7336, 0.3533, 0.3144

Trichromacy



Original Color

41.9237, 0.4340, 0.4535

Protanomaly

42.2407, 0.4251, 0.4592

Deuteranomaly

41.9823, 0.4438, 0.4453

Tritanomaly

41.3884, 0.3881, 0.3694

Monochromacy



Original Color

41.9237, 0.4340, 0.4535

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.7847, 0.3596, 0.3845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9237, 0.4340, 0.4535 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(204, 170, 61)` looks like.

```
.text, #text, p{  
    color:rgb(204, 170, 61)  
}
```

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(204, 170, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 170, 61) }
```

Border

The CSS property to change the border of an element to Yxy 41.9237, 0.4340, 0.4535 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(204, 170, 61) }
```

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

```
.border{ border-color:rgb(204, 170, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 170, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 170, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 170, 61);  
box-shadow:4px 4px 4px 4px rgb(204, 170,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9237, 0.4340, 0.4535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 170, 61) }
```

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

```
.background{ background-color: rgb(204,  
170, 61) }
```

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