

Converting Colors

$Y_{xy}(40.5185, 0.4317, 0.4256)$

Have a look what the booklet for
Yxy(40.5185, 0.4317, 0.4256)
contains.

Yxy(40.5052, 0.4322, 0.4249)	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(40.5052, 0.4322, 0.4249)

Conversions

Conversions Part 1

Format	Color
Hex	D2A352
RGB	210, 163, 82
RGB Percent	82%, 64%, 32%
CMY	0.1764, 0.3608, 0.6786
CMYK	0.00, 0.22, 0.61, 0.18
HSL	38°, 59%, 57%
HSV	38°, 61%, 82%
XYZ	41.2011, 40.5052, 13.6225
YIQ	167.8190, 54.0130, -15.2270

Conversions

Conversions Part 2

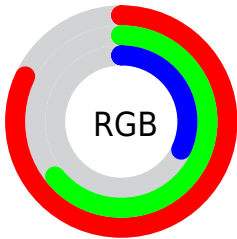
Format	Color
R_{YB}	156, 210, 82
Decimal	13804370
CIE _{Lab}	69.83, 8.46, 47.95
CIE _{LCh}	70, 48.690, 79.994
Yxy	40.5052, 0.4322, 0.4249
Android (android.graphics.Color)	4291994450 (0xFFD2A352)
YUV	167.8190, -42.3088, 36.9927
Hunter-Lab	63.6437, 4.1793, 31.8600

Details

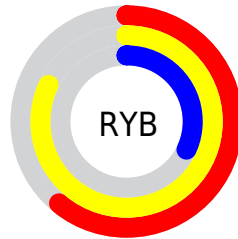
The Yxy color **40.5052, 0.4322, 0.4249** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **22.1428, 0.2104, 0.2029**, and the grayscale version is **39.2562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1240, 0.3997, 0.4139**, and **18.3627, 0.4610, 0.4458** is the 20% darker color. If you saturate the color by 10%, you get **37.5795, 0.4538, 0.4351**, and if you desaturate by 10%, it is **43.6996, 0.4100, 0.4115**.

Distribution



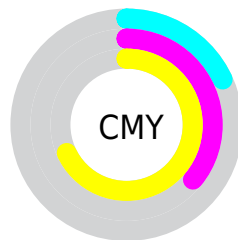
- Red (82%)
- Green (64%)
- Blue (32%)



- Red (61%)
- Yellow (82%)
- Blue (32%)



- Cyan (0%)
- Magenta (22%)
- Yellow (61%)
- Black (18%)




- Cyan (18%)
- Magenta (36%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5052, 0.4322, 0.4249 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 40.5052, 0.4322, 0.4249 by changing the saturation by 10% instead.


 40.5052, 0.4322,
0.4249


 40.5052, 0.4322,
0.4249


348.2483, 0.3733,
0.3799


 27.9327, 0.4457,
0.4343


 75.9322, 0.4115,
0.4097

 18.2749, 0.4618,
0.4449


 99.5555, 0.4035,
0.4037


 11.1475, 0.4810,
0.4562


 127.6311, 0.3966,
0.3984

 6.1662, 0.5091,
0.4723

 160.5434, 0.3907,
0.3937

 2.9464, 0.5273,
0.4727

 198.6769, 0.3855,
0.3896

 1.1038, 0.5421,
0.4579

242.4160, 0.3809,

 0.0000, 1.0000,

0.3860

0.0000

292.1450, 0.3769,
0.3828

0.0000, 0.0000,
0.0000

40.5052, 0.4322,
0.4249

40.5052, 0.4322,
0.4249

37.5795, 0.4538,
0.4351

43.6996, 0.4100,
0.4115

34.9045, 0.4736,
0.4409

47.1678, 0.3880,
0.3960

32.4680, 0.4905,
0.4417

50.9219, 0.3672,
0.3794

30.4527, 0.5034,
0.4385

54.9711, 0.3478,
0.3626

59.3242, 0.3301,
0.3462

■ 63.9896, 0.3142,
0.3305

■ 68.9752, 0.2999,
0.3157

■ 74.2884, 0.2873,
0.3020

■ 78.8640, 0.2848,
0.3052

Harmonies

Analogous

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



40.5052, 0.4545, 0.3748



40.5052, 0.4322, 0.4249



40.5052, 0.3786, 0.4573

Triad

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



40.5052, 0.4322, 0.4249



40.5052, 0.2038, 0.3186



40.5052, 0.3016, 0.2379

Complementary

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



40.5052, 0.4322, 0.4249



22.1428, 0.2104, 0.2029

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.



40.5052, 0.2395, 0.2208



40.5052, 0.4322, 0.4249



40.5052, 0.1886, 0.2587

Square

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



40.5052, 0.4322, 0.4249



40.5052, 0.2468, 0.3938



40.5052, 0.2009, 0.2266



40.5052, 0.3747, 0.2735

Rectangle

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



40.5052, 0.4322, 0.4249



40.5052, 0.3337, 0.4577



40.5052, 0.2009, 0.2266



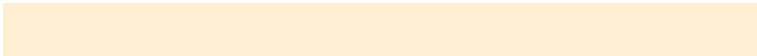
40.5052, 0.2788, 0.2299

Sweetspot

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



40.5072, 0.4322, 0.4249



87.1028, 0.3427, 0.3580



21.3739, 0.4270, 0.2709



18.2294, 0.3481, 0.3629



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.



40.5072, 0.4322, 0.4249



57.0801, 0.4596, 0.4372



58.3226, 0.3855, 0.4774



13.0373, 0.3275, 0.3437



18.7701, 0.5018, 0.4398



1.1981, 0.4828, 0.4548

Inverse Universe

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



22.1428, 0.2104, 0.2029



26.4280, 0.1913, 0.1716



13.2200, 0.2054, 0.1387



12.1184, 0.2982, 0.3139



6.2615, 0.1662, 0.1181



0.4998, 0.1766, 0.1555

Previews

White Background



This preview shows how the Yxy color 40.5052, 0.4322, 0.4249 looks on a white background.

Color Contrast Check

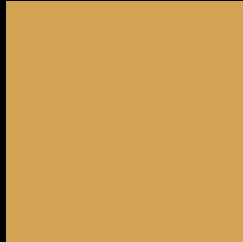
Large Text (above 18pt) WCAG AA × Fail

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 40.5052, 0.4322, 0.4249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

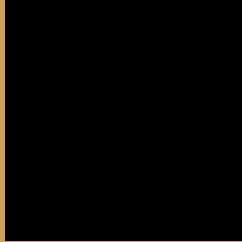
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.5052, 0.4322, 0.4249

Background



This preview shows how black text looks on a background with the Yxy color 40.5052, 0.4322, 0.4249.



This preview shows how white text looks on a background with the Yxy color 40.5052, 0.4322, 0.4249.

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

40.5052, 0.4322, 0.4249

Protanopia

40.6005, 0.4031, 0.4401

Deuteranopia

40.6525, 0.4331, 0.4244



Tritanopia

40.5795, 0.3655, 0.3158

Trichromacy



Original Color

40.5052, 0.4322, 0.4249

Protanomaly

40.5157, 0.4140, 0.4342

Deuteranomaly

40.6525, 0.4331, 0.4244

Tritanomaly

40.1594, 0.3920, 0.3564

Monochromacy



Original Color

40.5052, 0.4322, 0.4249

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.1459, 0.3553, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5052, 0.4322, 0.4249 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(210, 163, 82)` looks like.

```
.text, #text, p{  
    color:rgb(210, 163, 82)  
}
```

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(210, 163, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 163, 82) }
```

Border

The CSS property to change the border of an element to Yxy 40.5052, 0.4322, 0.4249 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(210, 163, 82) }
```

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

```
.border{ border-color:rgb(210, 163, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 163, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 163, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 163, 82);  
box-shadow:4px 4px 4px 4px rgb(210, 163,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5052, 0.4322, 0.4249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 163, 82) }
```

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

```
.background{ background-color: rgb(210,  
163, 82) }
```

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