

Converting Colors

$Y_{xy}(42.3001, 0.4331, 0.4545)$

Have a look what the booklet for
Yxy(42.3001, 0.4331, 0.4545)
contains.

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Color

Yxy(42.3001, 0.4331, 0.4545)

Conversions

Conversions Part 1

Format	Color
Hex	CCAB3D
RGB	204, 171, 61
RGB Percent	80%, 67%, 24%
CMY	0.2000, 0.3294, 0.7606
CMYK	0.00, 0.16, 0.70, 0.20
HSL	46°, 58%, 52%
HSV	46°, 70%, 80%
XYZ	40.3084, 42.3001, 10.4610
YIQ	168.3270, 54.9780, -27.2140

Conversions

Conversions Part 2

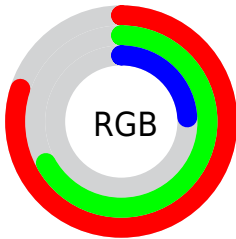
Format	Color
RYB	104, 204, 61
Decimal	13413181
CIELab	71.08, 0.32, 58.53
CIELCh	71, 58.533, 89.685
Yxy	42.3001, 0.4331, 0.4545
Android (android.graphics.Color)	4291603261 (0xFFCCAB3D)
YUV	168.3270, -52.9122, 31.2852
Hunter-Lab	65.0385, -3.1899, 35.9906

Details

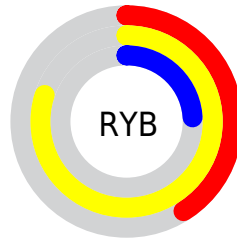
The Yxy color **42.3001, 0.4331, 0.4545** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **13.3664, 0.1891, 0.1502**, and the grayscale version is **39.5754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8676, 0.4077, 0.4384**, and **19.3046, 0.4555, 0.4765** is the 20% darker color. If you saturate the color by 10%, you get **40.3749, 0.4473, 0.4632**, and if you desaturate by 10%, it is **44.3764, 0.4167, 0.4416**.

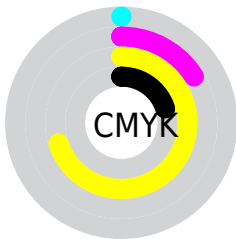
Distribution



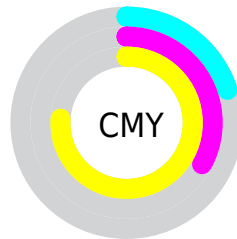
- Red (80%)
- Green (67%)
- Blue (24%)



- Red (41%)
- Yellow (80%)
- Blue (24%)



- Cyan (0%)
- Magenta (16%)
- Yellow (70%)
- Black (20%)




- Cyan (20%)
- Magenta (33%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3001, 0.4331, 0.4545 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 42.3001, 0.4331, 0.4545 by changing the saturation by 10% instead.

 42.3001, 0.4331,
0.4545

 42.3001, 0.4331,
0.4545


355.7255, 0.3767,
0.3958


 29.3363, 0.4446,
0.4664


 78.6536, 0.4142,
0.4349

 19.3354, 0.4574,
0.4797


 102.8122, 0.4066,
0.4270

 11.9129, 0.4709,
0.4935


 131.4711, 0.3999,
0.4200

 6.6844, 0.4885,
0.5115

 165.0148, 0.3941,
0.4140

 3.2655, 0.4888,
0.5112

 203.8277, 0.3889,
0.4086

 1.2719, 0.4894,
0.5106

248.2942, 0.3844,

 0.1193, 0.5040,

0.4038

0.4960

298.7987, 0.3803,
0.3996

■ 0.0000, 0.0000,
0.0000

■ 42.3001, 0.4331,
0.4545

■ 42.3001, 0.4331,
0.4545

■ 40.3749, 0.4473,
0.4632

■ 44.3764, 0.4167,
0.4416

■ 38.5839, 0.4586,
0.4672

■ 46.6067, 0.3990,
0.4255

■ 36.9220, 0.4674,
0.4671

■ 49.0013, 0.3806,
0.4072

■ 51.5673, 0.3624,
0.3876

■ 54.3116, 0.3448,
0.3677

■ 57.2403, 0.3282,
0.3480

■ 60.3594, 0.3128,
0.3291

■ 63.6743, 0.2988,
0.3113

■ 67.1904, 0.2860,
0.2946

Harmonies

Analogous

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



42.3001, 0.4751, 0.3982



42.3001, 0.4331, 0.4545



42.3001, 0.3622, 0.4850

Triad

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



42.3001, 0.4331, 0.4545



42.3001, 0.1773, 0.2887



42.3001, 0.3263, 0.2350

Complementary

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



42.3001, 0.4331, 0.4545



13.3664, 0.1891, 0.1502

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.



42.3001, 0.2475, 0.2083



42.3001, 0.4331, 0.4545



42.3001, 0.1711, 0.2303

Square

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



42.3001, 0.4331, 0.4545



42.3001, 0.2154, 0.3769



42.3001, 0.1946, 0.2053



42.3001, 0.4119, 0.2806

Rectangle

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



42.3001, 0.4331, 0.4545



42.3001, 0.3088, 0.4750



42.3001, 0.1946, 0.2053



42.3001, 0.2979, 0.2237

Sweetspot

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



42.3021, 0.4331, 0.4545



89.3837, 0.3469, 0.3701



16.9953, 0.4928, 0.2927



18.8554, 0.3517, 0.3756



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.



42.3021, 0.4331, 0.4545



65.3482, 0.4534, 0.4658



51.6180, 0.3734, 0.5054



12.6405, 0.3271, 0.3467



23.3857, 0.4666, 0.4677



1.3163, 0.4555, 0.4765

Inverse Universe

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



13.3664, 0.1891, 0.1502



15.0407, 0.1689, 0.1123



10.3641, 0.2055, 0.1201



11.2572, 0.2983, 0.3106



4.1469, 0.1573, 0.0863



0.3332, 0.1679, 0.1244

Previews

White Background



This preview shows how the Yxy color 42.3001, 0.4331, 0.4545 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 42.3001, 0.4331, 0.4545 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 42.3001, 0.4331, 0.4545

Background



This preview shows how black text looks on a background with the Yxy color 42.3001, 0.4331, 0.4545.



This preview shows how white text looks on a background with the Yxy color 42.3001, 0.4331, 0.4545.

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

42.3001, 0.4331, 0.4545

Protanopia

42.2220, 0.4213, 0.4619

Deuteranopia

42.0209, 0.4497, 0.4398



Tritanopia

42.1172, 0.3521, 0.3144

Trichromacy



Original Color

42.3001, 0.4331, 0.4545

Protanomaly

42.2407, 0.4251, 0.4592

Deuteranomaly

41.9823, 0.4438, 0.4453

Tritanomaly

41.7722, 0.3867, 0.3694

Monochromacy



Original Color

42.3001, 0.4331, 0.4545

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 42.3001, 0.4331, 0.4545 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, 171, 61)` looks like.

```
.text, #text, p{  
    color:rgb(204, 171, 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, 171, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 171, 61) }
```

Border

The CSS property to change the border of an element to Yxy 42.3001, 0.4331, 0.4545 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, 171, 61) }
```

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

```
.border{ border-color:rgb(204, 171, 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, 171, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 171, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 171, 61);  
box-shadow:4px 4px 4px 4px rgb(204, 171,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3001, 0.4331, 0.4545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 171, 61) }
```

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

```
.background{ background-color: rgb(204,  
171, 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](#).

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