

Converting Colors

$Y_{xy}(42.9195, 0.4190, 0.4313)$

Have a look what the booklet for
Yxy(42.9195, 0.4190, 0.4313)
contains.

Yxy(42.9195, 0.4190, 0.4313)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.9195, 0.4190, 0.4313)

Conversions

Conversions Part 1

Format	Color
Hex	CEAB56
RGB	206, 171, 86
RGB Percent	81%, 67%, 34%
CMY	0.1922, 0.3294, 0.6626
CMYK	0.00, 0.17, 0.58, 0.19
HSL	43°, 55%, 57%
HSV	43°, 58%, 81%
XYZ	41.6955, 42.9195, 14.8969
YIQ	171.7750, 48.1450, -19.0150

Conversions

Conversions Part 2

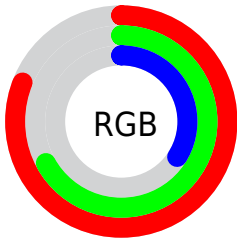
Format	Color
RYB	135, 206, 86
Decimal	13544278
CIELab	71.50, 2.76, 47.81
CIElCh	72, 47.886, 86.697
Yxy	42.9195, 0.4190, 0.4313
Android (android.graphics.Color)	4291734358 (0xFFCEAB56)
YUV	171.7750, -42.2871, 30.0153
Hunter-Lab	65.5130, -1.0420, 32.3772

Details

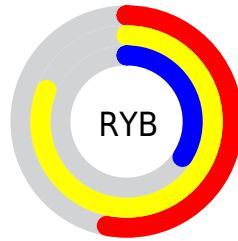
The Yxy color **42.9195, 0.4190, 0.4313** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **20.1143, 0.2117, 0.1952**, and the grayscale version is **41.3369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4877, 0.3933, 0.4174**, and **19.7046, 0.4448, 0.4543** is the 20% darker color. If you saturate the color by 10%, you get **40.4175, 0.4379, 0.4439**, and if you desaturate by 10%, it is **45.6244, 0.3992, 0.4157**.

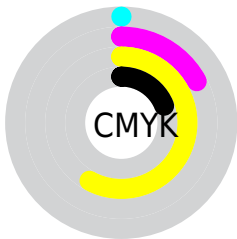
Distribution



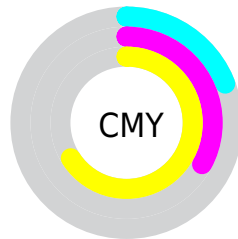
- Red (81%)
- Green (67%)
- Blue (34%)



- Red (53%)
- Yellow (81%)
- Blue (34%)



- Cyan (0%)
- Magenta (17%)
- Yellow (58%)
- Black (19%)





- Cyan (19%)
- Magenta (33%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9195, 0.4190, 0.4313 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 42.9195, 0.4190, 0.4313 by changing the saturation by 10% instead.


 42.9195, 0.4190,
0.4313


 42.9195, 0.4190,
0.4313


358.2806, 0.3674,
0.3824


 29.8220, 0.4306,
0.4420


 79.5894, 0.4011,
0.4145

 19.7035, 0.4443,
0.4544


 103.9305, 0.3941,
0.4079


 12.1797, 0.4605,
0.4687


 132.7883, 0.3880,
0.4022

 6.8662, 0.4813,
0.4865

 166.5471, 0.3828,
0.3972

 3.3785, 0.5000,
0.5000

 205.5913, 0.3782,
0.3928

 1.3324, 0.5046,
0.4954

250.3054, 0.3742,

 0.1661, 0.5755,

0.3889

0.4245

301.0737, 0.3706,
0.3855

0.0000, 0.0000,
0.0000

42.9195, 0.4190,
0.4313

42.9195, 0.4190,
0.4313

40.4175, 0.4379,
0.4439

45.6244, 0.3992,
0.4157

38.1025, 0.4550,
0.4524

48.5350, 0.3794,
0.3983

35.9651, 0.4694,
0.4562

51.6612, 0.3602,
0.3799

33.9891, 0.4808,
0.4552

55.0105, 0.3421,
0.3614

33.6530, 0.4828,
0.4549

58.5898, 0.3254,
0.3433

■ 62.4058, 0.3101,
0.3260

■ 66.4646, 0.2963,
0.3098

■ 70.7723, 0.2839,
0.2947

■ 74.2309, 0.2819,
0.2970

Harmonies

Analogous

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



42.9195, 0.4483, 0.3853



42.9195, 0.4190, 0.4313



42.9195, 0.3627, 0.4551

Triad

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



42.9195, 0.4190, 0.4313



42.9195, 0.2015, 0.3043



42.9195, 0.3177, 0.2470

Complementary

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



42.9195, 0.4190, 0.4313



20.1143, 0.2117, 0.1952

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.



42.9195, 0.2537, 0.2260



42.9195, 0.4190, 0.4313



42.9195, 0.1927, 0.2518

Square

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



42.9195, 0.4190, 0.4313



42.9195, 0.2377, 0.3755



42.9195, 0.2105, 0.2264



42.9195, 0.3874, 0.2850

Rectangle

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



42.9195, 0.4190, 0.4313



42.9195, 0.3184, 0.4480



42.9195, 0.2105, 0.2264



42.9195, 0.2947, 0.2378

Sweetspot

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



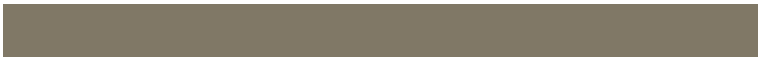
42.9216, 0.4190, 0.4313



89.7132, 0.3404, 0.3595



21.1868, 0.4347, 0.2852



18.9580, 0.3439, 0.3632



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.



42.9216, 0.4190, 0.4313



64.4740, 0.4426, 0.4465



54.7560, 0.3746, 0.4765



12.5225, 0.3273, 0.3453



20.8988, 0.4816, 0.4558



1.2051, 0.4667, 0.4676

Inverse Universe

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



20.1143, 0.2117, 0.1952



24.3610, 0.1911, 0.1613



14.4329, 0.2191, 0.1513



11.3682, 0.2983, 0.3121



4.8857, 0.1609, 0.0991



0.3845, 0.1720, 0.1391

Previews

White Background



This preview shows how the Yxy color 42.9195, 0.4190, 0.4313 looks on a white background.

Color Contrast Check

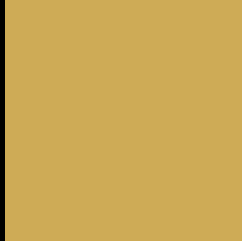
Large Text (above 18pt) WCAG AA × Fail

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 42.9195, 0.4190, 0.4313 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 42.9195, 0.4190, 0.4313

Background



This preview shows how black text looks on a background with the Yxy color 42.9195, 0.4190, 0.4313.



This preview shows how white text looks on a background with the Yxy color 42.9195, 0.4190, 0.4313.

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

42.9195, 0.4190, 0.4313

Protanopia

42.8174, 0.4038, 0.4399

Deuteranopia

42.9245, 0.4309, 0.4218



Tritanopia

42.6919, 0.3509, 0.3133

Trichromacy



Original Color

42.9195, 0.4190, 0.4313

Protanomaly

42.9660, 0.4084, 0.4371

Deuteranomaly

42.6904, 0.4263, 0.4245

Tritanomaly

42.5649, 0.3777, 0.3579

Monochromacy



Original Color

42.9195, 0.4190, 0.4313

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.6185, 0.3508, 0.3712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9195, 0.4190, 0.4313 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(206, 171, 86)` looks like.

```
.text, #text, p{  
    color:rgb(206, 171, 86)  
}
```

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(206, 171, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 171, 86) }
```

Border

The CSS property to change the border of an element to Yxy 42.9195, 0.4190, 0.4313 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(206, 171, 86) }
```

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

```
.border{ border-color:rgb(206, 171, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 171, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 171, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 171, 86);  
box-shadow:4px 4px 4px 4px rgb(206, 171,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9195, 0.4190, 0.4313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 171, 86) }
```

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

```
.background{ background-color: rgb(206,  
171, 86) }
```

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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