

Converting Colors

$Y_{xy}(42.2862, 0.4239, 0.4387)$

Have a look what the booklet for
Yxy(42.2862, 0.4239, 0.4387)
contains.

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Color

Yxy(42.2786, 0.4245, 0.4385)

Conversions

Conversions Part 1

Format	Color
Hex	CDAA4E
RGB	205, 170, 78
RGB Percent	80%, 67%, 31%
CMY	0.1960, 0.3333, 0.6942
CMYK	0.00, 0.17, 0.62, 0.20
HSL	43°, 56%, 55%
HSV	43°, 62%, 80%
XYZ	40.9288, 42.2786, 13.2090
YIQ	169.9770, 50.3920, -21.1920

Conversions

Conversions Part 2

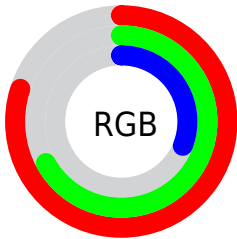
Format	Color
RYB	126, 205, 78
Decimal	13478478
CIELab	71.06, 2.30, 51.10
CIELCh	71, 51.152, 87.420
Yxy	42.2786, 0.4245, 0.4385
Android (android.graphics.Color)	4291668558 (0xFFCDAA4E)
YUV	169.9770, -45.3447, 30.7152
Hunter-Lab	65.0220, -1.4298, 33.4708

Details

The Yxy color **42.2786, 0.4245, 0.4385** 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 **17.8382, 0.2047, 0.1819**, and the grayscale version is **40.3990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7221, 0.3988, 0.4238**, and **19.3230, 0.4509, 0.4618** is the 20% darker color. If you saturate the color by 10%, you get **39.9577, 0.4422, 0.4499**, and if you desaturate by 10%, it is **44.7863, 0.4055, 0.4237**.

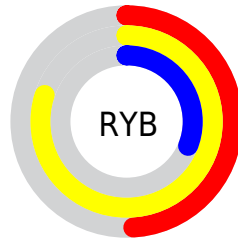
Distribution



Red (80%)

Green (67%)

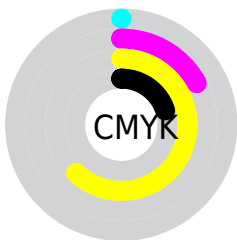
Blue (31%)



Red (49%)

Yellow (80%)

Blue (31%)

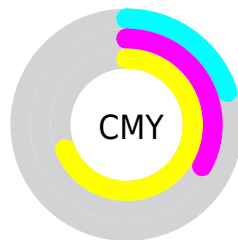


Cyan (0%)

Magenta (17%)

Yellow (62%)

Black (20%)



Cyan (20%)


Magenta (33%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2786, 0.4245, 0.4385 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 42.2786, 0.4245, 0.4385 by changing the saturation by 10% instead.

 42.2786, 0.4245,
0.4385

 42.2786, 0.4245,
0.4385


355.6365, 0.3707,
0.3865

 29.3195, 0.4363,
0.4496


 78.6211, 0.4060,
0.4208


 19.3227, 0.4501,
0.4624


 102.7733, 0.3986,
0.4137

 11.9037, 0.4658,
0.4766


 131.4253, 0.3923,
0.4076

 6.6781, 0.4894,
0.4978

 164.9615, 0.3868,
0.4023

 3.2616, 0.4980,
0.5020

 203.7664, 0.3820,
0.3976

 1.2698, 0.5020,
0.4980

248.2242, 0.3778,

 0.1176, 0.5882,

0.3934

0.4118

298.7195, 0.3740,
0.3898

■ 0.0000, 0.0000,
0.0000

■ 42.2786, 0.4245,
0.4385

■ 42.2786, 0.4245,
0.4385

■ 39.9577, 0.4422,
0.4499

■ 44.7863, 0.4055,
0.4237

■ 37.8075, 0.4577,
0.4571

■ 47.4835, 0.3860,
0.4065

■ 35.8183, 0.4703,
0.4593

■ 50.3801, 0.3669,
0.3880

■ 34.3193, 0.4786,
0.4582

■ 53.4837, 0.3485,
0.3691

■ 56.8010, 0.3314,
0.3504

■ 60.3384, 0.3156,
0.3324

■ 64.1020, 0.3013,
0.3154

■ 68.0977, 0.2884,
0.2995

■ 71.8382, 0.2810,
0.2924

Harmonies

Analogous

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



42.2786, 0.4574, 0.3891



42.2786, 0.4245, 0.4385



42.2786, 0.3636, 0.4647

Triad

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



42.2786, 0.4245, 0.4385



42.2786, 0.1938, 0.3002



42.2786, 0.3195, 0.2426

Complementary

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



42.2786, 0.4245, 0.4385



17.8382, 0.2047, 0.1819

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.



42.2786, 0.2509, 0.2199



42.2786, 0.4245, 0.4385



42.2786, 0.1854, 0.2452

Square

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



42.2786, 0.4245, 0.4385



42.2786, 0.2310, 0.3771



42.2786, 0.2048, 0.2195



42.2786, 0.3945, 0.2830

Rectangle

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



42.2786, 0.4245, 0.4385



42.2786, 0.3163, 0.4570



42.2786, 0.2048, 0.2195



42.2786, 0.2948, 0.2328

Sweetspot

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



42.2806, 0.4245, 0.4385



89.0367, 0.3438, 0.3640



19.6428, 0.4506, 0.2861



18.7289, 0.3489, 0.3694



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.



42.2806, 0.4245, 0.4385



64.3638, 0.4471, 0.4526



53.6228, 0.3753, 0.4855



12.5535, 0.3272, 0.3457



21.5286, 0.4776, 0.4590



1.2335, 0.4637, 0.4700

Inverse Universe

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



17.8382, 0.2047, 0.1819



21.4188, 0.1843, 0.1471



12.8903, 0.2140, 0.1405



11.3389, 0.2983, 0.3117



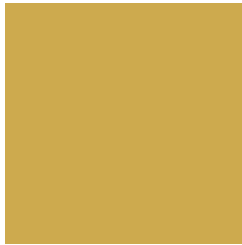
4.6735, 0.1599, 0.0955



0.3705, 0.1709, 0.1352

Previews

White Background



This preview shows how the Yxy color 42.2786, 0.4245, 0.4385 looks on a white background.

Color Contrast Check

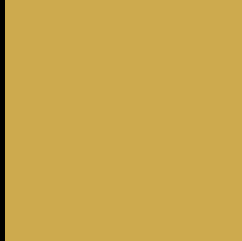
Large Text (above 18pt) WCAG AA × Fail

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 42.2786, 0.4245, 0.4385 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 42.2786, 0.4245, 0.4385

Background



This preview shows how black text looks on a background with the Yxy color 42.2786, 0.4245, 0.4385.



This preview shows how white text looks on a background with the Yxy color 42.2786, 0.4245, 0.4385.

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

42.2786, 0.4245, 0.4385

Protanopia

42.1741, 0.4090, 0.4476

Deuteranopia

42.2840, 0.4366, 0.4287



Tritanopia

42.2663, 0.3531, 0.3145

Trichromacy



Original Color

42.2786, 0.4245, 0.4385

Protanomaly

42.3220, 0.4137, 0.4446

Deuteranomaly

42.0508, 0.4320, 0.4316

Tritanomaly

42.0875, 0.3819, 0.3617

Monochromacy



Original Color

42.2786, 0.4245, 0.4385

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.6229, 0.3540, 0.3743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2786, 0.4245, 0.4385 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(205, 170, 78)` looks like.

```
.text, #text, p{  
    color:rgb(205, 170, 78)  
}
```

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(205, 170, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 170, 78) }
```

Border

The CSS property to change the border of an element to Yxy 42.2786, 0.4245, 0.4385 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(205, 170, 78) }
```

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

```
.border{ border-color:rgb(205, 170, 78) }
```

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

Here you see how a box with a 4 pixel rgb(205, 170, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 170, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 170, 78);  
box-shadow:4px 4px 4px 4px rgb(205, 170,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2786, 0.4245, 0.4385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 170, 78) }
```

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

```
.background{ background-color: rgb(205,  
170, 78) }
```

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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