

Converting Colors

$Y_{xy}(44.2645, 0.4422, 0.4377)$

Have a look what the booklet for
Yxy(44.2645, 0.4422, 0.4377)
contains.

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Color

Yxy(44.2645, 0.4422, 0.4377)

Conversions

Conversions Part 1

Format	Color
Hex	DBAA47
RGB	219, 170, 71
RGB Percent	86%, 67%, 28%
CMY	0.1413, 0.3333, 0.7216
CMYK	0.00, 0.22, 0.68, 0.14
HSL	40°, 67%, 57%
HSV	40°, 68%, 86%
XYZ	44.7196, 44.2645, 12.1457
YIQ	173.3650, 60.9830, -20.4010

Conversions

Conversions Part 2

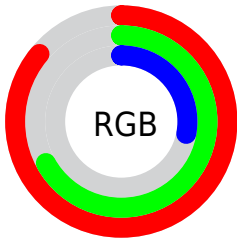
Format	Color
RYB	144, 219, 71
Decimal	14395975
CIELab	72.40, 7.83, 56.15
CIELCh	72, 56.690, 82.060
Yxy	44.2645, 0.4422, 0.4377
Android (android.graphics.Color)	4292586055 (0xFFDBAA47)
YUV	173.3650, -50.4659, 40.0219
Hunter-Lab	66.5316, 3.5496, 35.7484

Details

The Yxy color **44.2645, 0.4422, 0.4377** 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 **19.8723, 0.1979, 0.1780**, and the grayscale version is **42.2247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5657, 0.4024, 0.4291**, and **20.4595, 0.4706, 0.4574** is the 20% darker color. If you saturate the color by 10%, you get **41.3923, 0.4611, 0.4458**, and if you desaturate by 10%, it is **47.3919, 0.4217, 0.4256**.

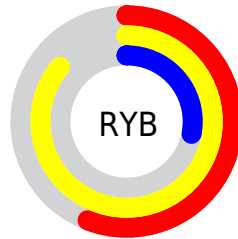
Distribution



Red (86%)

Green (67%)

Blue (28%)



Red (56%)

Yellow (86%)

Blue (28%)

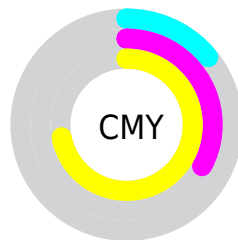


Cyan (0%)

Magenta (22%)

Yellow (68%)

Black (14%)



Cyan (14%)

Magenta (33%)

Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.2645, 0.4422, 0.4377 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 44.2645, 0.4422, 0.4377 by changing the saturation by 10% instead.


 44.2645, 0.4422,
0.4377

 44.2645, 0.4422,
0.4377


363.7865, 0.3806,
0.3884

 30.8785, 0.4554,
0.4473


 81.6156, 0.4212,
0.4216


 20.5063, 0.4706,
0.4577


 106.3495, 0.4129,
0.4150

 12.7636, 0.4877,
0.4681


 135.6348, 0.4056,
0.4091

 7.2660, 0.5149,
0.4851

 169.8559, 0.3993,
0.4040

 3.6290, 0.5220,
0.4780

 209.3973, 0.3937,
0.3994

 1.4683, 0.5337,
0.4663

254.6432, 0.3888,

 0.2662, 0.6253,

0.3953

0.3747

305.9782, 0.3845,
0.3917

0.0000, 0.0000,
0.0000

44.2645, 0.4422,
0.4377

44.2645, 0.4422,
0.4377

41.3923, 0.4611,
0.4458

47.3919, 0.4217,
0.4256

38.7551, 0.4774,
0.4489

50.7803, 0.4006,
0.4106

36.3368, 0.4906,
0.4471

54.4425, 0.3798,
0.3939

35.7783, 0.4936,
0.4463

58.3887, 0.3599,
0.3763

62.6282, 0.3414,
0.3586

■ 67.1696, 0.3245,
0.3415

■ 72.0213, 0.3092,
0.3251

■ 77.1911, 0.2954,
0.3098

■ 81.8161, 0.2905,
0.3085

Harmonies

Analogous

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



44.2645, 0.4717, 0.3817



44.2645, 0.4422, 0.4377



44.2645, 0.3798, 0.4748

Triad

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



44.2645, 0.4422, 0.4377



44.2645, 0.1891, 0.3105



44.2645, 0.3051, 0.2301

Complementary

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



44.2645, 0.4422, 0.4377



19.8723, 0.1979, 0.1780

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.



44.2645, 0.2347, 0.2098



44.2645, 0.4422, 0.4377



44.2645, 0.1752, 0.2458

Square

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



44.2645, 0.4422, 0.4377



44.2645, 0.2339, 0.3970



44.2645, 0.1907, 0.2135



44.2645, 0.3879, 0.2702

Rectangle

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



44.2645, 0.4422, 0.4377



44.2645, 0.3293, 0.4747



44.2645, 0.1907, 0.2135



44.2645, 0.2792, 0.2209

Sweetspot

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



44.2667, 0.4422, 0.4377



86.8432, 0.3461, 0.3632



20.9249, 0.4596, 0.2758



18.2223, 0.3513, 0.3682



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.



44.2667, 0.4422, 0.4377



56.8770, 0.4682, 0.4477



62.6150, 0.3845, 0.4935



14.5001, 0.3275, 0.3446



21.4287, 0.4922, 0.4474



1.5437, 0.4774, 0.4592

Inverse Universe

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



19.8723, 0.1979, 0.1780



20.5313, 0.1787, 0.1432



12.0861, 0.1978, 0.1206



13.3174, 0.2981, 0.3129



5.9951, 0.1634, 0.1081



0.5434, 0.1725, 0.1411

Previews

White Background



This preview shows how the Yxy color 44.2645, 0.4422, 0.4377 looks on a white background.

Color Contrast Check

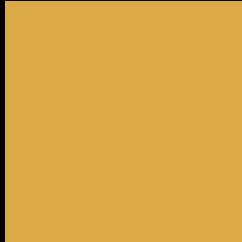
Large Text (above 18pt) WCAG AA × Fail

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 44.2645, 0.4422, 0.4377 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 44.2645, 0.4422, 0.4377

Background



This preview shows how black text looks on a background with the Yxy color 44.2645, 0.4422, 0.4377.



This preview shows how white text looks on a background with the Yxy color 44.2645, 0.4422, 0.4377.

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

44.2645, 0.4422, 0.4377

Protanopia

44.3276, 0.4146, 0.4548

Deuteranopia

44.2030, 0.4449, 0.4357



Tritanopia

44.2889, 0.3656, 0.3151

Trichromacy



Original Color

44.2645, 0.4422, 0.4377

Protanomaly

44.2496, 0.4252, 0.4485

Deuteranomaly

44.0465, 0.4440, 0.4362

Tritanomaly

43.9882, 0.3975, 0.3637

Monochromacy



Original Color

44.2645, 0.4422, 0.4377

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.2298, 0.3611, 0.3771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2645, 0.4422, 0.4377 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(219, 170, 71)` looks like.

```
.text, #text, p{  
    color:rgb(219, 170, 71)  
}
```

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(219, 170, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 170, 71) }
```

Border

The CSS property to change the border of an element to Yxy 44.2645, 0.4422, 0.4377 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(219, 170, 71) }
```

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

```
.border{ border-color:rgb(219, 170, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 170, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 170, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 170, 71);  
box-shadow:4px 4px 4px 4px rgb(219, 170,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2645, 0.4422, 0.4377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 170, 71) }
```

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

```
.background{ background-color: rgb(219,  
170, 71) }
```

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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