

Converting Colors

$Y_{xy}(42.7059, 0.4016, 0.3857)$

Have a look what the booklet for
Yxy(42.7059, 0.4016, 0.3857)
contains.

Yxy(42.7746, 0.4009, 0.3856)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.7746, 0.4009, 0.3856)

Conversions

Conversions Part 1

Format	Color
Hex	D5A678
RGB	213, 166, 120
RGB Percent	84%, 65%, 47%
CMY	0.1646, 0.3490, 0.5294
CMYK	0.00, 0.22, 0.44, 0.16
HSL	30°, 53%, 65%
HSV	30°, 44%, 84%
XYZ	44.4718, 42.7746, 23.6836
YIQ	174.8090, 42.7780, -4.3420

Conversions

Conversions Part 2

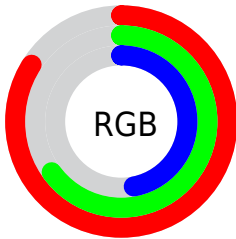
Format	Color
R _Y B	213, 211, 120
Decimal	14001784
CIE Lab	71.40, 11.44, 30.41
CIE LCh	71, 32.492, 69.393
Yxy	42.7746, 0.4009, 0.3856
Android (android.graphics.Color)	4292191864 (0xFFD5A678)
YUV	174.8090, -27.0208, 33.4935
Hunter-Lab	65.4023, 6.9213, 24.3114

Details

The Yxy color **42.7746, 0.4009, 0.3856** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.4481, 0.2429, 0.2636**, and the grayscale version is **42.8935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9900, 0.3715, 0.3783**, and **19.5575, 0.4253, 0.3987** is the 20% darker color. If you saturate the color by 10%, you get **38.5627, 0.4273, 0.3976**, and if you desaturate by 10%, it is **47.4335, 0.3766, 0.3725**.

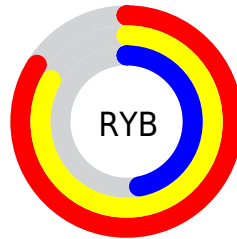
Distribution



Red (84%)

Green (65%)

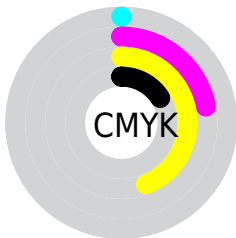
Blue (47%)



Red (84%)

Yellow (83%)

Blue (47%)

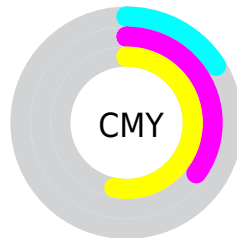


Cyan (0%)

Magenta (22%)

Yellow (44%)

Black (16%)



Cyan (16%)


Magenta (35%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7746, 0.4009, 0.3856 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 42.7746, 0.4009, 0.3856 by changing the saturation by 10% instead.


 42.7746, 0.4009,
0.3856


 42.7746, 0.4009,
0.3856


357.6840, 0.3563,
0.3585

 29.7083, 0.4119,
0.3917


 79.3706, 0.3847,
0.3762

 19.6173, 0.4260,
0.3991


 103.6691, 0.3786,
0.3725

 12.1172, 0.4442,
0.4081


 132.4805, 0.3735,
0.3694

 6.8235, 0.4685,
0.4186

166.1891, 0.3690,
0.3666

 3.3520, 0.5070,
0.4343

205.1794, 0.3652,
0.3642

 1.3181, 0.5564,
0.4436

249.8357, 0.3619,

 0.1552, 0.7333,

0.3621

0.2667

300.5424, 0.3589,
0.3602

0.0000, 0.0000,
0.0000

42.7746, 0.4009,
0.3856

42.7746, 0.4009,
0.3856

38.5627, 0.4273,
0.3976

47.4335, 0.3766,
0.3725

34.7760, 0.4549,
0.4073

52.5481, 0.3547,
0.3591

31.3997, 0.4826,
0.4135


58.1343, 0.3354,
0.3460


28.4149, 0.5086,
0.4151

64.2053, 0.3184,
0.3334


25.8006, 0.5312,
0.4111


70.7738, 0.3036,
0.3216

 24.3186, 0.5437,
0.4065

 77.8517, 0.2907,
0.3107

 84.5076, 0.2871,
0.3148

 91.0869, 0.2876,
0.3260

 92.8893, 0.2877,
0.3289

Harmonies

Analogous

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



42.7746, 0.4042, 0.3504



42.7746, 0.4009, 0.3856



42.7746, 0.3730, 0.4095

Triad

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



42.7746, 0.4009, 0.3856



42.7746, 0.2479, 0.3406



42.7746, 0.2901, 0.2601

Complementary

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



42.7746, 0.4009, 0.3856



36.4481, 0.2429, 0.2636

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.



42.7746, 0.2520, 0.2542



42.7746, 0.4009, 0.3856



42.7746, 0.2291, 0.2965

Square

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



42.7746, 0.4009, 0.3856



42.7746, 0.2842, 0.3850



42.7746, 0.2307, 0.2662



42.7746, 0.3374, 0.2812

Rectangle

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



42.7746, 0.4009, 0.3856



42.7746, 0.3452, 0.4136



42.7746, 0.2307, 0.2662



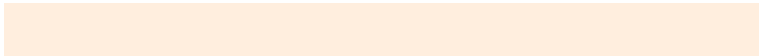
42.7746, 0.2759, 0.2563

Sweetspot

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



42.7766, 0.4009, 0.3856



87.8150, 0.3344, 0.3453



30.4136, 0.3668, 0.2705



18.3802, 0.3385, 0.3482



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.



42.7766, 0.4009, 0.3856



58.6251, 0.4242, 0.3963



62.3285, 0.3780, 0.4343



13.4247, 0.3279, 0.3406



15.0555, 0.5415, 0.4082



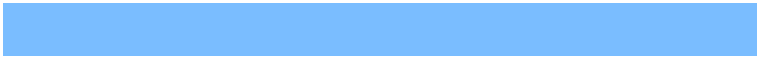
1.0736, 0.5148, 0.4294

Inverse Universe

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



36.4481, 0.2429, 0.2636



47.9710, 0.2291, 0.2474



22.6095, 0.2315, 0.1963



13.0360, 0.2982, 0.3172



9.6504, 0.1780, 0.1606



0.7476, 0.1866, 0.1917

Previews

White Background



This preview shows how the Yxy color 42.7746, 0.4009, 0.3856 looks on a white background.

Color Contrast Check

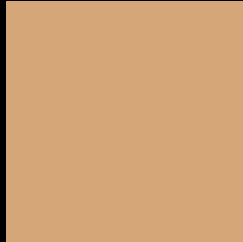
Large Text (above 18pt) WCAG AA × Fail

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 42.7746, 0.4009, 0.3856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

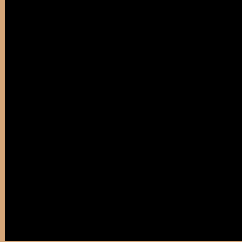
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7746, 0.4009, 0.3856

Background



This preview shows how black text looks on a background with the Yxy color 42.7746, 0.4009, 0.3856.



This preview shows how white text looks on a background with the Yxy color 42.7746, 0.4009, 0.3856.

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

42.7746, 0.4009, 0.3856

Protanopia

42.9340, 0.3695, 0.3970

Deuteranopia

42.9166, 0.3959, 0.3889



Tritanopia

42.6803, 0.3582, 0.3135

Trichromacy



Original Color

42.7746, 0.4009, 0.3856

Protanomaly

42.9409, 0.3804, 0.3925

Deuteranomaly

42.6951, 0.3974, 0.3875

Tritanomaly

42.7395, 0.3740, 0.3402

Monochromacy



Original Color

42.7746, 0.4009, 0.3856

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.6904, 0.3431, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7746, 0.4009, 0.3856 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(213, 166, 120)` looks like.

```
.text, #text, p{  
    color:rgb(213, 166, 120)  
}
```

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(213, 166, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 166, 120) }
```

Border

The CSS property to change the border of an element to Yxy 42.7746, 0.4009, 0.3856 is called "border". The border property can be set on classes, ids or directly on the HTML element.

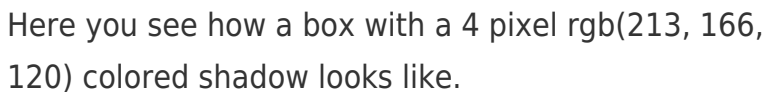
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(213, 166, 120) }
```

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

```
.border{ border-color:rgb(213, 166, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(213, 166, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 166, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 166, 120); box-shadow:4px 4px 4px 4px rgb(213, 166, 120) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7746, 0.4009, 0.3856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 166, 120) }
```

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

```
.background{ background-color: rgb(213,  
166, 120) }
```

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