

Converting Colors

$Y_{xy}(42.2241, 0.3776, 0.3700)$

Have a look what the booklet for
Yxy(42.2241, 0.3776, 0.3700)
contains.

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Color

Yxy(42.2241, 0.3776, 0.3700)

Conversions

Conversions Part 1

Format	Color
Hex	CCA787
RGB	204, 167, 135
RGB Percent	80%, 65%, 53%
CMY	0.2001, 0.3451, 0.4705
CMYK	0.00, 0.18, 0.34, 0.20
HSL	28°, 40%, 66%
HSV	28°, 34%, 80%
XYZ	43.0914, 42.2241, 28.8037
YIQ	174.4150, 32.3240, -2.1080

Conversions

Conversions Part 2

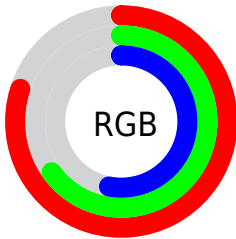
Format	Color
R_{YB}	204, 195, 135
Decimal	13412231
CIE _{Lab}	71.03, 9.00, 21.65
CIE _{LCh}	71, 23.451, 67.431
Yxy	42.2241, 0.3776, 0.3700
Android (android.graphics.Color)	4291602311 (0xFFCCA787)
YUV	174.4150, -19.4316, 25.9460
Hunter-Lab	64.9801, 4.6568, 19.2046

Details

The Yxy color **42.2241, 0.3776, 0.3700** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **39.0105, 0.2594, 0.2839**, and the grayscale version is **42.6423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1334, 0.3605, 0.3638**, and **19.3069, 0.3975, 0.3806** is the 20% darker color. If you saturate the color by 10%, you get **37.8664, 0.4025, 0.3823**, and if you desaturate by 10%, it is **47.0347, 0.3553, 0.3574**.

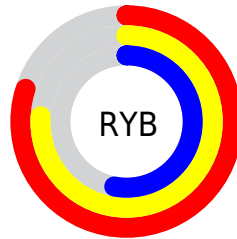
Distribution



Red (80%)

Green (65%)

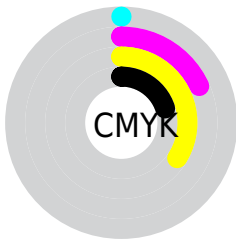
Blue (53%)



Red (80%)

Yellow (76%)

Blue (53%)

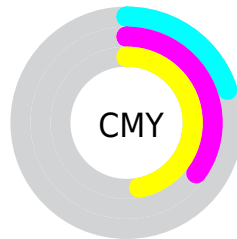


Cyan (0%)

Magenta (18%)

Yellow (34%)

Black (20%)



Cyan (20%)


Magenta (35%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2241, 0.3776, 0.3700 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 42.2241, 0.3776, 0.3700 by changing the saturation by 10% instead.


 42.2241, 0.3776,
0.3700

 42.2241, 0.3776,
0.3700


355.4111, 0.3445,
0.3499


 29.2768, 0.3860,
0.3748


 78.5387, 0.3655,
0.3629

 19.2903, 0.3968,
0.3808


 102.6748, 0.3609,
0.3601

 11.8802, 0.4112,
0.3884


 131.3092, 0.3571,
0.3578

 6.6622, 0.4311,
0.3982

164.8265, 0.3539,
0.3558

 3.2517, 0.4602,
0.4107

203.6109, 0.3511,
0.3540

 1.2645, 0.5430,
0.4570

248.0468, 0.3486,

 0.1135, 0.7427,

0.3525

0.2573

298.5188, 0.3464,
0.3512

0.0000, 0.0000,
0.0000

42.2241, 0.3776,
0.3700

42.2241, 0.3776,
0.3700

37.8664, 0.4025,
0.3823

47.0347, 0.3553,
0.3574

33.9409, 0.4298,
0.3935

52.3061, 0.3357,
0.3451

30.4341, 0.4587,
0.4025


58.0534, 0.3186,
0.3333


27.3292, 0.4878,
0.4081


64.2893, 0.3038,
0.3223


24.6076, 0.5153,
0.4090


71.0257, 0.2910,
0.3121

 22.2486, 0.5392,
0.4045

 78.1187, 0.2812,
0.3052

 20.9542, 0.5523,
0.3997

 84.4898, 0.2819,
0.3169

 91.2511, 0.2827,
0.3284

 91.5754, 0.2827,
0.3289

Harmonies

Analogous

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



42.2241, 0.3782, 0.3441



42.2241, 0.3776, 0.3700



42.2241, 0.3589, 0.3869

Triad

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



42.2241, 0.3776, 0.3700



42.2241, 0.2668, 0.3401



42.2241, 0.2945, 0.2770

Complementary

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



42.2241, 0.3776, 0.3700



39.0105, 0.2594, 0.2839

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.



42.2241, 0.2667, 0.2739



42.2241, 0.3776, 0.3700



42.2241, 0.2514, 0.3081

Square

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



42.2241, 0.3776, 0.3700



42.2241, 0.2946, 0.3704



42.2241, 0.2514, 0.2845



42.2241, 0.3287, 0.2923

Rectangle

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



42.2241, 0.3776, 0.3700



42.2241, 0.3393, 0.3897



42.2241, 0.2514, 0.2845



42.2241, 0.2841, 0.2745

Sweetspot

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



42.2261, 0.3776, 0.3700



90.0514, 0.3291, 0.3407



33.1812, 0.3482, 0.2811



18.9895, 0.3316, 0.3423



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.



42.2261, 0.3776, 0.3700



64.3021, 0.3966, 0.3796



56.1429, 0.3645, 0.4089



12.0572, 0.3279, 0.3398



13.3732, 0.5500, 0.4015



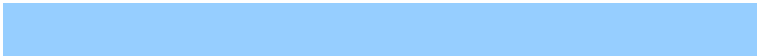
0.8412, 0.5180, 0.4269

Inverse Universe

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



39.0105, 0.2594, 0.2839



58.1288, 0.2471, 0.2715



27.8196, 0.2530, 0.2342



11.8233, 0.2983, 0.3180



9.8645, 0.1809, 0.1713



0.6599, 0.1902, 0.2047

Previews

White Background



This preview shows how the Yxy color 42.2241, 0.3776, 0.3700 looks on a white background.

Color Contrast Check

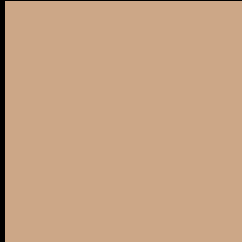
Large Text (above 18pt) WCAG AA × Fail

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 42.2241, 0.3776, 0.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

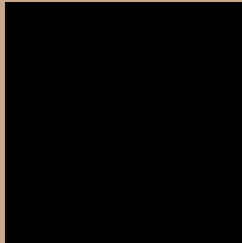
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2241, 0.3776, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 42.2241, 0.3776, 0.3700.



This preview shows how white text looks on a background with the Yxy color 42.2241, 0.3776, 0.3700.

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

42.2241, 0.3776, 0.3700

Protanopia

42.4214, 0.3538, 0.3778

Deuteranopia

42.2241, 0.3776, 0.3700



Tritanopia

42.3066, 0.3459, 0.3142

Trichromacy



Original Color

42.2241, 0.3776, 0.3700

Protanomaly

42.1384, 0.3625, 0.3742

Deuteranomaly

42.2241, 0.3776, 0.3700

Tritanomaly

42.3544, 0.3578, 0.3342

Monochromacy



Original Color

42.2241, 0.3776, 0.3700

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.9782, 0.3351, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2241, 0.3776, 0.3700 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, 167, 135)` looks like.

```
.text, #text, p{  
    color:rgb(204, 167, 135)  
}
```

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, 167, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 167, 135) }
```

Border

The CSS property to change the border of an element to Yxy 42.2241, 0.3776, 0.3700 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, 167, 135) }
```

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

```
.border{ border-color:rgb(204, 167, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 167, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 167, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 167, 135);  
box-shadow:4px 4px 4px 4px rgb(204, 167,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2241, 0.3776, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 167, 135) }
```

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

```
.background{ background-color: rgb(204,  
167, 135) }
```

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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