

Converting Colors

$Y_{xy}(41.7182, 0.3771, 0.3689)$

Have a look what the booklet for
Yxy(41.7182, 0.3771, 0.3689)
contains.

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Color

Yxy(41.7182, 0.3771, 0.3689)

Conversions

Conversions Part 1

Format	Color
Hex	CBA687
RGB	203, 166, 135
RGB Percent	80%, 65%, 53%
CMY	0.2038, 0.3491, 0.4706
CMYK	0.00, 0.18, 0.34, 0.20
HSL	27°, 40%, 66%
HSV	27°, 34%, 80%
XYZ	42.6455, 41.7182, 28.7244
YIQ	173.5290, 32.0030, -1.7970

Conversions

Conversions Part 2

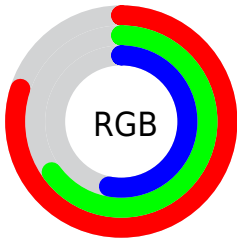
Format	Color
R _Y B	203, 192, 135
Decimal	13346439
CIE Lab	70.68, 9.17, 21.17
CIE LCh	71, 23.074, 66.570
Yxy	41.7182, 0.3771, 0.3689
Android (android.graphics.Color)	4291536519 (0xFFCBA687)
YUV	173.5290, -18.9948, 25.8461
Hunter-Lab	64.5896, 4.8234, 18.8452

Details

The Yxy color **41.7182, 0.3771, 0.3689** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.9861, 0.2600, 0.2852**, and the grayscale version is **42.1625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6037, 0.3608, 0.3628**, and **18.9864, 0.3969, 0.3792** is the 20% darker color. If you saturate the color by 10%, you get **37.3539, 0.4022, 0.3810**, and if you desaturate by 10%, it is **46.5410, 0.3548, 0.3565**.

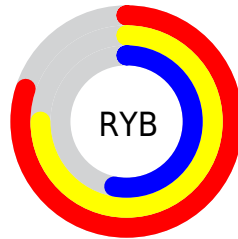
Distribution



Red (80%)

Green (65%)

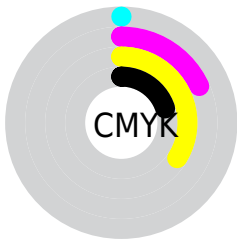
Blue (53%)



Red (80%)

Yellow (75%)

Blue (53%)

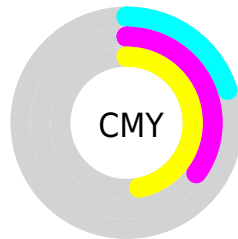


Cyan (0%)

Magenta (18%)

Yellow (34%)

Black (20%)



Cyan (20%)


Magenta (35%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7182, 0.3771, 0.3689 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 41.7182, 0.3771, 0.3689 by changing the saturation by 10% instead.


 41.7182, 0.3771,
0.3689

 41.7182, 0.3771,
0.3689


353.3134, 0.3442,
0.3494


 28.8807, 0.3855,
0.3736


 77.7730, 0.3650,
0.3619

 18.9906, 0.3963,
0.3794


 101.7590, 0.3605,
0.3593

 11.6635, 0.4107,
0.3868


 130.2300, 0.3567,
0.3570

 6.5150, 0.4308,
0.3965

163.5704, 0.3535,
0.3550

 3.1607, 0.4602,
0.4088

202.1645, 0.3507,
0.3533

 1.2162, 0.5448,
0.4552

246.3968, 0.3482,

 0.0749, 0.7977,

0.3519

0.2023

296.6517, 0.3461,
0.3505

0.0000, 0.0000,
0.0000

41.7182, 0.3771,
0.3689

41.7182, 0.3771,
0.3689

37.3539, 0.4022,
0.3810

46.5410, 0.3548,
0.3565

33.4274, 0.4296,
0.3921

51.8305, 0.3352,
0.3444

29.9247, 0.4588,
0.4010

57.6020, 0.3181,
0.3329

26.8289, 0.4883,
0.4065


63.8683, 0.3034,
0.3221


24.1212, 0.5163,
0.4074

70.6418, 0.2906,
0.3121


 21.7807, 0.5408,
0.4028

 77.8163, 0.2806,
0.3048

 20.4410, 0.5547,
0.3977

 84.2488, 0.2814,
0.3167

 91.0799, 0.2821,
0.3283

 91.4420, 0.2822,
0.3289

Harmonies

Analogous

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



41.7182, 0.3771, 0.3432



41.7182, 0.3771, 0.3689



41.7182, 0.3591, 0.3859

Triad

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



41.7182, 0.3771, 0.3689



41.7182, 0.2679, 0.3409



41.7182, 0.2938, 0.2774

Complementary

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



41.7182, 0.3771, 0.3689



38.9861, 0.2600, 0.2852

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.



41.7182, 0.2666, 0.2746



41.7182, 0.3771, 0.3689



41.7182, 0.2523, 0.3092

Square

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



41.7182, 0.3771, 0.3689



41.7182, 0.2957, 0.3706



41.7182, 0.2519, 0.2855



41.7182, 0.3276, 0.2921

Rectangle

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



41.7182, 0.3771, 0.3689



41.7182, 0.3399, 0.3889



41.7182, 0.2519, 0.2855



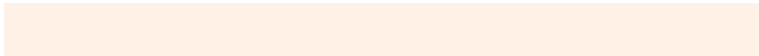
41.7182, 0.2836, 0.2750

Sweetspot

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



41.7201, 0.3771, 0.3689



89.9242, 0.3292, 0.3404



33.0235, 0.3478, 0.2816



18.9588, 0.3317, 0.3421



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.



41.7201, 0.3771, 0.3689



64.6200, 0.3944, 0.3775



55.5916, 0.3640, 0.4081



12.0414, 0.3279, 0.3396



13.1805, 0.5524, 0.3996



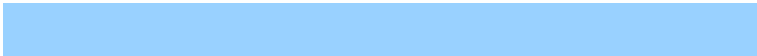
0.8310, 0.5199, 0.4254

Inverse Universe

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



38.9861, 0.2600, 0.2852



59.3665, 0.2489, 0.2743



27.7556, 0.2536, 0.2353



11.8392, 0.2983, 0.3182



10.0983, 0.1817, 0.1742



0.6715, 0.1909, 0.2071

Previews

White Background



This preview shows how the Yxy color 41.7182, 0.3771, 0.3689 looks on a white background.

Color Contrast Check

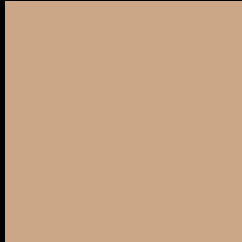
Large Text (above 18pt) WCAG AA × Fail

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 41.7182, 0.3771, 0.3689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

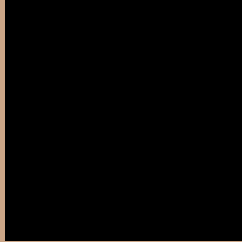
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.7182, 0.3771, 0.3689

Background



This preview shows how black text looks on a background with the Yxy color 41.7182, 0.3771, 0.3689.



This preview shows how white text looks on a background with the Yxy color 41.7182, 0.3771, 0.3689.

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

41.7182, 0.3771, 0.3689

Protanopia

41.9125, 0.3532, 0.3767

Deuteranopia

41.7182, 0.3771, 0.3689



Tritanopia

41.7723, 0.3461, 0.3142

Trichromacy



Original Color

41.7182, 0.3771, 0.3689

Protanomaly

41.6320, 0.3618, 0.3731

Deuteranomaly

41.7182, 0.3771, 0.3689

Tritanomaly

41.8194, 0.3581, 0.3342

Monochromacy



Original Color

41.7182, 0.3771, 0.3689

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 41.7182, 0.3771, 0.3689 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(203, 166, 135)` looks like.

```
.text, #text, p{  
    color:rgb(203, 166, 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(203, 166, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 166, 135) }
```

Border

The CSS property to change the border of an element to Yxy 41.7182, 0.3771, 0.3689 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(203, 166, 135) }
```

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

```
.border{ border-color:rgb(203, 166, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 166, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 166, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 166, 135);  
box-shadow:4px 4px 4px 4px rgb(203, 166,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7182, 0.3771, 0.3689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 166, 135) }
```

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

```
.background{ background-color: rgb(203,  
166, 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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