

Converting Colors

$Y_{xy}(41.7798, 0.3685, 0.3921)$

Have a look what the booklet for
Yxy(41.7798, 0.3685, 0.3921)
contains.

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Color

Yxy(41.6771, 0.3689, 0.3923)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BCAC7D |
| RGB | 188, 172, 125 |
| RGB Percent | 74%, 67%, 49% |
| CMY | 0.2628, 0.3255, 0.5099 |
| CMYK | 0.00, 0.09, 0.34, 0.26 |
| HSL | 45°, 32%, 61% |
| HSV | 45°, 34%, 74% |
| XYZ | 39.1911, 41.6771, 25.3696 |
| YIQ | 171.4260, 24.6230, -11.2250 |

Conversions

Conversions Part 2

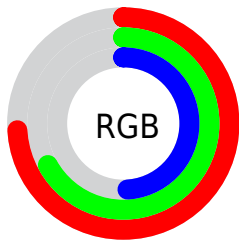
| Format | Color |
|-------------------------------------|---|
| RYB | 146, 188, 125 |
| Decimal | 12364925 |
| CIELab | 70.65, -1.33, 26.32 |
| CIELCh | 71, 26.357, 92.892 |
| Yxy | 41.6771, 0.3689, 0.3923 |
| Android (android.graphics.Color) | 4290555005 (0xFFBCAC7D) |
| YUV | 171.4260, -22.8880, 14.5354 |
| Hunter-Lab | 64.5578, -4.6141, 21.8910 |

Details

The Yxy color **41.6771, 0.3689, 0.3923** is a light color, and the websafe version is hex **999966**. A complement of this color would be **27.0257, 0.2565, 0.2563**, and the grayscale version is **41.0579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5650, 0.3587, 0.3803**, and **19.0093, 0.3856, 0.4113** is the 20% darker color. If you saturate the color by 10%, you get **39.4601, 0.3876, 0.4110**, and if you desaturate by 10%, it is **44.0540, 0.3508, 0.3730**.

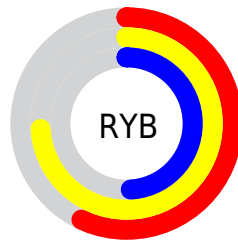
Distribution



Red (74%)

Green (67%)

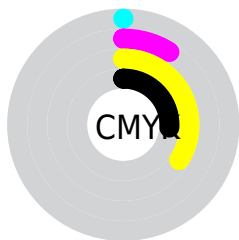
Blue (49%)



Red (57%)

Yellow (74%)

Blue (49%)

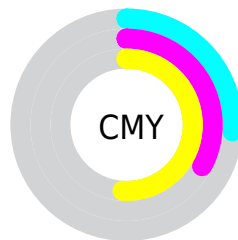


Cyan (0%)

Magenta (9%)

Yellow (34%)

Black (26%)



Cyan (26%)


Magenta (33%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6771, 0.3689, 0.3923 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 41.6771, 0.3689, 0.3923 by changing the saturation by 10% instead.

 41.6771, 0.3689,
0.3923

 41.6771, 0.3689,
0.3923


353.1426, 0.3406,
0.3603

 28.8485, 0.3759,
0.4003


 77.7107, 0.3587,
0.3806

 18.9663, 0.3848,
0.4105


 101.6845, 0.3548,
0.3763

 11.6459, 0.3963,
0.4238


 130.1422, 0.3515,
0.3726

 6.5031, 0.4117,
0.4419


163.4682, 0.3487,
0.3694

 3.1533, 0.4346,
0.4690

202.0468, 0.3463,
0.3666

 1.2123, 0.4786,
0.5214

246.2625, 0.3442,

 0.0717, 0.3323,

0.3643

0.6677

296.4996, 0.3423,
0.3621

0.0000, 0.0000,
0.0000

41.6771, 0.3689,
0.3923

41.6771, 0.3689,
0.3923

39.4601, 0.3876,
0.4110

44.0540, 0.3508,
0.3730

37.3916, 0.4063,
0.4283

46.5904, 0.3338,
0.3539

35.4669, 0.4244,
0.4430


49.2935, 0.3180,
0.3353


33.6792, 0.4409,
0.4543


52.1678, 0.3035,
0.3177

32.0203, 0.4551,
0.4612


55.2181, 0.2904,
0.3013

 30.4809, 0.4665,
0.4633

 58.4486, 0.2786,
0.2860

 29.5365, 0.4727,
0.4629

 61.7621, 0.2689,
0.2735

 64.0846, 0.2694,
0.2790

 66.4773, 0.2699,
0.2845

Harmonies

Analogous

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



41.6771, 0.3875, 0.3707



41.6771, 0.3689, 0.3923



41.6771, 0.3357, 0.3971

Triad

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



41.6771, 0.3689, 0.3923



41.6771, 0.2454, 0.3102



41.6771, 0.3247, 0.2846

Complementary

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



41.6771, 0.3689, 0.3923



27.0257, 0.2565, 0.2563

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.



41.6771, 0.2866, 0.2694



41.6771, 0.3689, 0.3923



41.6771, 0.2428, 0.2818

Square

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



41.6771, 0.3689, 0.3923



41.6771, 0.2649, 0.3470



41.6771, 0.2574, 0.2679



41.6771, 0.3614, 0.3100

Rectangle

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



41.6771, 0.3689, 0.3923



41.6771, 0.3102, 0.3882



41.6771, 0.2574, 0.2679



41.6771, 0.3116, 0.2782

Sweetspot

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



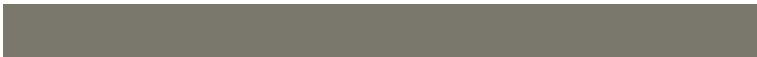
41.6790, 0.3689, 0.3923



86.0538, 0.3283, 0.3475



27.2965, 0.3689, 0.3058



18.3596, 0.3306, 0.3502



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.6790, 0.3689, 0.3923



72.6440, 0.3822, 0.4057



46.3629, 0.3492, 0.4153



10.6995, 0.3270, 0.3460



20.2341, 0.4719, 0.4635



0.8915, 0.4568, 0.4755

Inverse Universe

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



27.0257, 0.2565, 0.2563



42.1714, 0.2433, 0.2377



23.8371, 0.2670, 0.2343



9.6082, 0.2984, 0.3114



3.9970, 0.1587, 0.0914



0.2654, 0.1723, 0.1401

Previews

White Background



This preview shows how the Yxy color 41.6771, 0.3689, 0.3923 looks on a white background.

Color Contrast Check

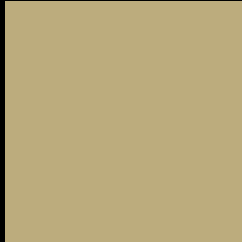
Large Text (above 18pt) WCAG AA × Fail

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 41.6771, 0.3689, 0.3923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

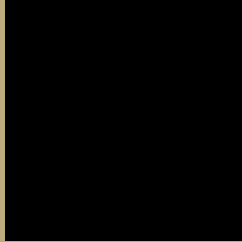
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6771, 0.3689, 0.3923

Background



This preview shows how black text looks on a background with the Yxy color 41.6771, 0.3689, 0.3923.

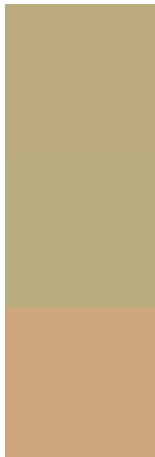


This preview shows how white text looks on a background with the Yxy color 41.6771, 0.3689, 0.3923.

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

41.6771, 0.3689, 0.3923

Protanopia

41.8069, 0.3665, 0.3939

Deuteranopia

41.7579, 0.3875, 0.3800



Tritanopia

41.5940, 0.3284, 0.3123

Trichromacy



Original Color

41.6771, 0.3689, 0.3923

Protanomaly

41.9326, 0.3675, 0.3937

Deuteranomaly

41.6537, 0.3806, 0.3836

Tritanomaly

41.7149, 0.3433, 0.3409

Monochromacy



Original Color

41.6771, 0.3689, 0.3923

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.8060, 0.3328, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6771, 0.3689, 0.3923 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(188, 172, 125)` looks like.

```
.text, #text, p{  
    color:rgb(188, 172, 125)  
}
```

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(188, 172, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 172, 125) }
```

Border

The CSS property to change the border of an element to Yxy 41.6771, 0.3689, 0.3923 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(188, 172, 125) }
```

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

```
.border{ border-color:rgb(188, 172, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 172, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 172, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 172, 125);  
box-shadow:4px 4px 4px 4px rgb(188, 172,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6771, 0.3689, 0.3923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 172, 125) }
```

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

```
.background{ background-color: rgb(188,  
172, 125) }
```

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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