

Converting Colors

$Yxy(42.3626, 0.3725, 0.4033)$

Have a look what the booklet for
Yxy(42.3626, 0.3725, 0.4033)
contains.

Yxy(42.1688, 0.3722, 0.4029)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.1688, 0.3722, 0.4029)

Conversions

Conversions Part 1

Format	Color
Hex	BBAE77
RGB	187, 174, 119
RGB Percent	73%, 68%, 47%
CMY	0.2667, 0.3176, 0.5333
CMYK	0.00, 0.07, 0.36, 0.27
HSL	49°, 33%, 60%
HSV	49°, 36%, 73%
XYZ	38.9556, 42.1688, 23.5388
YIQ	171.6170, 25.4030, -14.3490

Conversions

Conversions Part 2

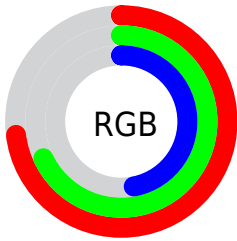
Format	Color
RYB	135, 187, 119
Decimal	12299895
CIELab	70.99, -3.54, 29.94
CIELCh	71, 30.152, 96.742
Yxy	42.1688, 0.3722, 0.4029
Android (android.graphics.Color)	4290489975 (0xFFBBAE77)
YUV	171.6170, -25.9402, 13.4909
Hunter-Lab	64.9375, -6.5595, 23.9646

Details

The Yxy color $42.1688, 0.3722, 0.4029$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $24.0032, 0.2503, 0.2421$, and the grayscale version is $41.1749, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.2503, 0.3615, 0.3887$, and $19.3478, 0.3883, 0.4236$ is the 20% darker color. If you saturate the color by 10%, you get $40.4046, 0.3896, 0.4225$, and if you desaturate by 10%, it is $44.0618, 0.3549, 0.3824$.

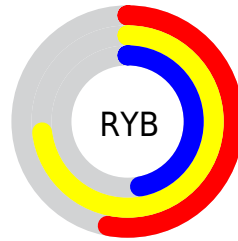
Distribution



Red (73%)

Green (68%)

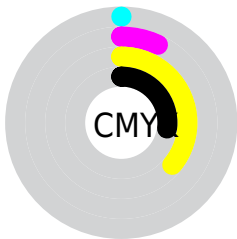
Blue (47%)



Red (53%)

Yellow (73%)

Blue (47%)

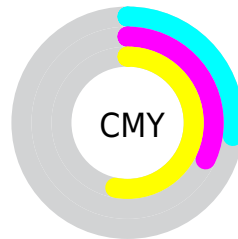


Cyan (0%)

Magenta (7%)

Yellow (36%)

Black (27%)



Cyan (27%)

Magenta (32%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1688, 0.3722, 0.4029 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 42.1688, 0.3722, 0.4029 by changing the saturation by 10% instead.


 42.1688, 0.3722,
0.4029

 42.1688, 0.3722,
0.4029


355.1822, 0.3426,
0.3655


 29.2335, 0.3794,
0.4122


 78.4550, 0.3616,
0.3893

 19.2575, 0.3884,
0.4240

 102.5747, 0.3575,
0.3842

 11.8565, 0.3998,
0.4394


 131.1914, 0.3541,
0.3799

 6.6460, 0.4146,
0.4599

164.6893, 0.3511,
0.3762

 3.2417, 0.4392,
0.4943

203.4530, 0.3486,
0.3730

 1.2592, 0.4642,
0.5358

247.8668, 0.3463,

 0.1093, 0.1377,

0.3702

0.8623

298.3150, 0.3443,
0.3677

0.0000, 0.0000,
0.0000

42.1688, 0.3722,
0.4029

42.1688, 0.3722,
0.4029

40.4046, 0.3896,
0.4225

44.0618, 0.3549,
0.3824

38.7580, 0.4065,
0.4402

46.0830, 0.3381,
0.3617

37.2249, 0.4221,
0.4550

48.2389, 0.3222,
0.3414

35.7984, 0.4357,
0.4660

50.5340, 0.3075,
0.3221

34.4708, 0.4468,
0.4726

52.9725, 0.2939,
0.3038

■ 33.2320, 0.4549,
0.4746

■ 55.5583, 0.2816,
0.2868

■ 32.7952, 0.4576,
0.4748

■ 58.2953, 0.2705,
0.2712

■ 60.2808, 0.2679,
0.2701

■ 61.9801, 0.2683,
0.2743

Harmonies

Analogous

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



42.1688, 0.3963, 0.3797



42.1688, 0.3722, 0.4029



42.1688, 0.3329, 0.4061

Triad

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



42.1688, 0.3722, 0.4029



42.1688, 0.2352, 0.3022



42.1688, 0.3319, 0.2820

Complementary

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



42.1688, 0.3722, 0.4029



24.0032, 0.2503, 0.2421

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.



42.1688, 0.2881, 0.2632



42.1688, 0.3722, 0.4029



42.1688, 0.2349, 0.2722

Square

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



42.1688, 0.3722, 0.4029



42.1688, 0.2546, 0.3439



42.1688, 0.2534, 0.2592



42.1688, 0.3728, 0.3115

Rectangle

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



42.1688, 0.3722, 0.4029



42.1688, 0.3039, 0.3940



42.1688, 0.2534, 0.2592



42.1688, 0.3169, 0.2743

Sweetspot

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



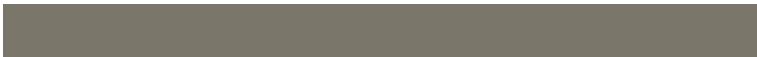
42.1707, 0.3722, 0.4029



84.5236, 0.3297, 0.3511



25.4385, 0.3814, 0.3101



18.4982, 0.3319, 0.3539



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.



42.1707, 0.3722, 0.4029



72.8872, 0.3868, 0.4194



45.0345, 0.3480, 0.4241



10.8027, 0.3269, 0.3474



22.7017, 0.4571, 0.4753



0.9703, 0.4465, 0.4837

Inverse Universe

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



24.0032, 0.2503, 0.2421



35.4067, 0.2342, 0.2179



22.3039, 0.2668, 0.2264



9.5121, 0.2984, 0.3099



3.4088, 0.1555, 0.0797



0.2236, 0.1674, 0.1225

Previews

White Background



This preview shows how the Yxy color 42.1688, 0.3722, 0.4029 looks on a white background.

Color Contrast Check

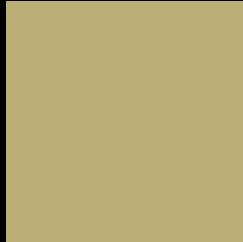
Large Text (above 18pt) WCAG AA × Fail

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 42.1688, 0.3722, 0.4029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

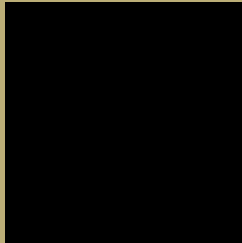
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1688, 0.3722, 0.4029

Background



This preview shows how black text looks on a background with the Yxy color 42.1688, 0.3722, 0.4029.



This preview shows how white text looks on a background with the Yxy color 42.1688, 0.3722, 0.4029.

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

42.1688, 0.3722, 0.4029

Protanopia

42.2954, 0.3732, 0.4026

Deuteranopia

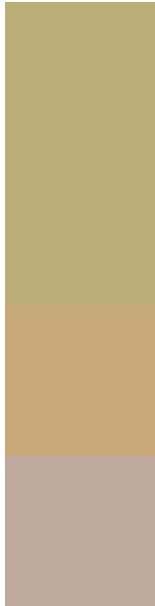
41.9183, 0.3941, 0.3858



Tritanopia

41.9964, 0.3274, 0.3124

Trichromacy



Original Color

42.1688, 0.3722, 0.4029

Protanomaly

42.2954, 0.3732, 0.4026

Deuteranomaly

42.0114, 0.3865, 0.3922

Tritanomaly

41.8866, 0.3439, 0.3449

Monochromacy



Original Color

42.1688, 0.3722, 0.4029

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.5342, 0.3334, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1688, 0.3722, 0.4029 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(187, 174, 119)` looks like.

```
.text, #text, p{  
    color:rgb(187, 174, 119)  
}
```

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(187, 174, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 174, 119) }
```

Border

The CSS property to change the border of an element to Yxy 42.1688, 0.3722, 0.4029 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(187, 174, 119) }
```

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

```
.border{ border-color:rgb(187, 174, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 174, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 174, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 174, 119);  
box-shadow:4px 4px 4px 4px rgb(187, 174,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1688, 0.3722, 0.4029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 174, 119) }
```

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

```
.background{ background-color: rgb(187,  
174, 119) }
```

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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