

Converting Colors

$Yxy(42.2023, 0.3544, 0.3691)$

Have a look what the booklet for
Yxy(42.2023, 0.3544, 0.3691)
contains.

Yxy(42.2769, 0.3547, 0.3692)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.2769, 0.3547, 0.3692)

Conversions

Conversions Part 1

Format	Color
Hex	BDAC8E
RGB	189, 172, 142
RGB Percent	74%, 67%, 56%
CMY	0.2589, 0.3254, 0.4431
CMYK	0.00, 0.09, 0.25, 0.26
HSL	38°, 26%, 65%
HSV	38°, 25%, 74%
XYZ	40.6165, 42.2769, 31.6161
YIQ	173.6630, 19.7620, -5.7260

Conversions

Conversions Part 2

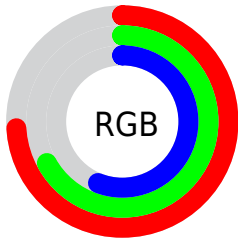
Format	Color
RYB	169, 189, 142
Decimal	12430478
CIELab	71.06, 1.34, 17.67
CIELCh	71, 17.719, 85.647
Yxy	42.2769, 0.3547, 0.3692
Android (android.graphics.Color)	4290620558 (0xFFBDAC8E)
YUV	173.6630, -15.6099, 13.4505
Hunter-Lab	65.0207, -2.2825, 16.6849

Details

The Yxy color $42.2769, 0.3547, 0.3692$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $34.2112, 0.2729, 0.2852$, and the grayscale version is $42.2193, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.5165, 0.3471, 0.3612$, and $19.3565, 0.3664, 0.3805$ is the 20% darker color. If you saturate the color by 10%, you get $39.2269, 0.3744, 0.3860$, and if you desaturate by 10%, it is $45.5604, 0.3365, 0.3525$.

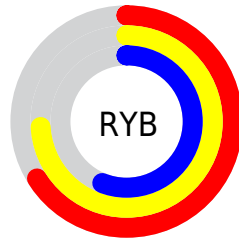
Distribution



Red (74%)

Green (67%)

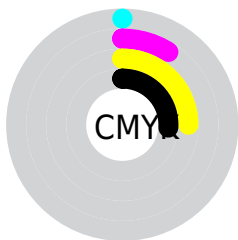
Blue (56%)



Red (66%)

Yellow (74%)

Blue (56%)

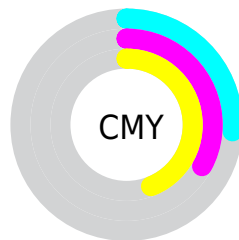


Cyan (0%)

Magenta (9%)

Yellow (25%)

Black (26%)



Cyan (26%)


Magenta (33%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2769, 0.3547, 0.3692 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 42.2769, 0.3547, 0.3692 by changing the saturation by 10% instead.


 42.2769, 0.3547,
0.3692


 42.2769, 0.3547,
0.3692


355.6295, 0.3334,
0.3489

 29.3182, 0.3601,
0.3743


 78.6185, 0.3469,
0.3618

 19.3216, 0.3670,
0.3808


 102.7702, 0.3440,
0.3590

 11.9029, 0.3763,
0.3895


 131.4217, 0.3415,
0.3567

 6.6776, 0.3892,
0.4015

164.9573, 0.3394,
0.3547

 3.2613, 0.4083,
0.4189

203.7615, 0.3376,
0.3530

 1.2696, 0.4773,
0.4852

248.2187, 0.3360,

 0.1175, 0.5515,

0.3514

0.4485

298.7132, 0.3346,
0.3501

0.0000, 0.0000,
0.0000

42.2769, 0.3547,
0.3692

42.2769, 0.3547,
0.3692

39.2269, 0.3744,
0.3860

45.5604, 0.3365,
0.3525

36.3978, 0.3955,
0.4023

49.0780, 0.3201,
0.3365

33.7842, 0.4172,
0.4172

52.8378, 0.3053,
0.3213

31.3782, 0.4390,
0.4297

56.8456, 0.2921,
0.3071

29.1712, 0.4597,
0.4386

61.1071, 0.2805,
0.2940

■ 27.1535, 0.4783,
0.4429

■ 65.6021, 0.2703,
0.2823

■ 25.3135, 0.4937,
0.4421

■ 69.1067, 0.2710,
0.2901

■ 24.4244, 0.5010,
0.4404

■ 72.7574, 0.2718,
0.2978

■ 76.5561, 0.2725,
0.3055

Harmonies

Analogous

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



42.2769, 0.3636, 0.3535



42.2769, 0.3547, 0.3692



42.2769, 0.3346, 0.3745

Triad

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



42.2769, 0.3547, 0.3692



42.2769, 0.2692, 0.3227



42.2769, 0.3147, 0.2952

Complementary

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



42.2769, 0.3547, 0.3692



34.2112, 0.2729, 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.



42.2769, 0.2898, 0.2870



42.2769, 0.3547, 0.3692



42.2769, 0.2643, 0.3016

Square

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



42.2769, 0.3547, 0.3692



42.2769, 0.2853, 0.3469



42.2769, 0.2717, 0.2890



42.2769, 0.3400, 0.3116

Rectangle

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



42.2769, 0.3547, 0.3692



42.2769, 0.3178, 0.3706



42.2769, 0.2717, 0.2890



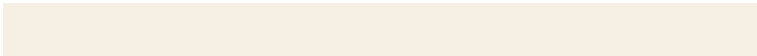
42.2769, 0.3060, 0.2914

Sweetspot

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



42.2788, 0.3547, 0.3692



86.4654, 0.3237, 0.3401



32.6767, 0.3456, 0.3057



18.5116, 0.3246, 0.3410



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.



42.2788, 0.3547, 0.3692



72.6187, 0.3656, 0.3787



48.3674, 0.3441, 0.3913



10.5252, 0.3273, 0.3436



16.5883, 0.4997, 0.4415



0.7697, 0.4758, 0.4604

Inverse Universe

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



34.2112, 0.2729, 0.2852



55.6121, 0.2632, 0.2736



29.3449, 0.2763, 0.2606



9.7742, 0.2984, 0.3139



5.4074, 0.1659, 0.1173



0.3373, 0.1799, 0.1674

Previews

White Background



This preview shows how the Yxy color 42.2769, 0.3547, 0.3692 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 42.2769, 0.3547, 0.3692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

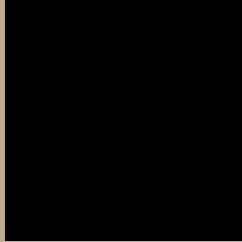
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2769, 0.3547, 0.3692

Background



This preview shows how black text looks on a background with the Yxy color 42.2769, 0.3547, 0.3692.



This preview shows how white text looks on a background with the Yxy color 42.2769, 0.3547, 0.3692.

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

42.2769, 0.3547, 0.3692

Protanopia

42.4456, 0.3485, 0.3711

Deuteranopia

42.1772, 0.3681, 0.3600



Tritanopia

42.4021, 0.3264, 0.3124

Trichromacy



Original Color

42.2769, 0.3547, 0.3692

Protanomaly

42.3094, 0.3507, 0.3695

Deuteranomaly

42.2294, 0.3626, 0.3631

Tritanomaly

42.3356, 0.3367, 0.3330

Monochromacy



Original Color

42.2769, 0.3547, 0.3692

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.0795, 0.3274, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2769, 0.3547, 0.3692 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(189, 172, 142)` looks like.

```
.text, #text, p{  
    color:rgb(189, 172, 142)  
}
```

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(189, 172, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 172, 142) }
```

Border

The CSS property to change the border of an element to Yxy 42.2769, 0.3547, 0.3692 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(189, 172, 142) }
```

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

```
.border{ border-color:rgb(189, 172, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 172, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 172, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 172, 142);  
box-shadow:4px 4px 4px 4px rgb(189, 172,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2769, 0.3547, 0.3692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 172, 142) }
```

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

```
.background{ background-color: rgb(189,  
172, 142) }
```

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