

Converting Colors

$Y_{xy}(42.9180, 0.3669, 0.3572)$

Have a look what the booklet for
Yxy(42.9180, 0.3669, 0.3572)
contains.

Yxy(42.9180, 0.3669, 0.3572)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.9180, 0.3669, 0.3572)

Conversions

Conversions Part 1

Format	Color
Hex	CCA892
RGB	204, 168, 146
RGB Percent	80%, 66%, 57%
CMY	0.2002, 0.3411, 0.4275
CMYK	0.00, 0.18, 0.28, 0.20
HSL	23°, 36%, 69%
HSV	23°, 28%, 80%
XYZ	44.0835, 42.9180, 33.1497
YIQ	176.2560, 28.5180, 0.7900

Conversions

Conversions Part 2

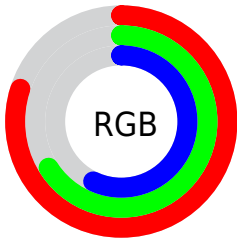
Format	Color
RYB	204, 181, 146
Decimal	13412498
CIELab	71.50, 9.88, 16.32
CIElCh	71, 19.074, 58.797
Yxy	42.9180, 0.3669, 0.3572
Android (android.graphics.Color)	4291602578 (0xFFCCA892)
YUV	176.2560, -14.9162, 24.3315
Hunter-Lab	65.5118, 5.4685, 15.8569

Details

The Yxy color $42.9180, 0.3669, 0.3572$ is a light color, and the websafe version is hex `CC9999`. A complement of this color would be $43.8927, 0.2687, 0.2989$, and the grayscale version is $43.6237, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.2055, 0.3518, 0.3525$, and $19.7066, 0.3838, 0.3653$ is the 20% darker color. If you saturate the color by 10%, you get $37.8963, 0.3920, 0.3676$, and if you desaturate by 10%, it is $48.5109, 0.3451, 0.3469$.

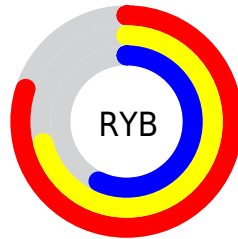
Distribution



Red (80%)

Green (66%)

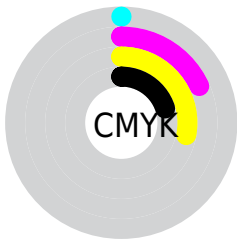
Blue (57%)



Red (80%)

Yellow (71%)

Blue (57%)

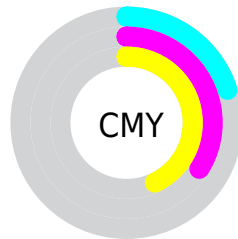


Cyan (0%)

Magenta (18%)

Yellow (28%)

Black (20%)



Cyan (20%)


Magenta (34%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9180, 0.3669, 0.3572 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 42.9180, 0.3669, 0.3572 by changing the saturation by 10% instead.


 42.9180, 0.3669,
0.3572

 42.9180, 0.3669,
0.3572


358.2744, 0.3393,
0.3435

 29.8208, 0.3739,
0.3605


 79.5871, 0.3567,
0.3523

 19.7026, 0.3831,
0.3646


 103.9278, 0.3530,
0.3504

 12.1790, 0.3953,
0.3699


132.7851, 0.3498,
0.3488

 6.8657, 0.4125,
0.3768

166.5434, 0.3471,
0.3475

 3.3783, 0.4384,
0.3860

205.5870, 0.3447,
0.3463

 1.3323, 0.5051,
0.4179

250.3005, 0.3427,

 0.1660, 0.7062,

0.3452

0.2938

301.0682, 0.3409,
0.3443

0.0000, 0.0000,
0.0000

42.9180, 0.3669,
0.3572

42.9180, 0.3669,
0.3572

37.8963, 0.3920,
0.3676

48.5109, 0.3451,
0.3469

33.4209, 0.4204,
0.3774

54.6869, 0.3264,
0.3369

29.4738, 0.4517,
0.3857

61.4652, 0.3104,
0.3276

26.0335, 0.4847,
0.3914

68.8621, 0.2967,
0.3189

23.0767, 0.5176,
0.3932

76.8934, 0.2850,
0.3110

■ 20.5780, 0.5476,
0.3900

■ 84.6831, 0.2819,
0.3173

■ 18.5054, 0.5726,
0.3820

■ 91.5714, 0.2827,
0.3289

■ 18.2125, 0.5763,
0.3806

Harmonies

Analogous

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



42.9180, 0.3627, 0.3351



42.9180, 0.3669, 0.3572



42.9180, 0.3559, 0.3732

Triad

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



42.9180, 0.3669, 0.3572



42.9180, 0.2811, 0.3456



42.9180, 0.2907, 0.2846

Complementary

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



42.9180, 0.3669, 0.3572



43.8927, 0.2687, 0.2989

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.



42.9180, 0.2704, 0.2854



42.9180, 0.3669, 0.3572



42.9180, 0.2651, 0.3195

Square

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



42.9180, 0.3669, 0.3572



42.9180, 0.3059, 0.3675



42.9180, 0.2613, 0.2977



42.9180, 0.3178, 0.2944

Rectangle

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



42.9180, 0.3669, 0.3572



42.9180, 0.3417, 0.3777



42.9180, 0.2613, 0.2977



42.9180, 0.2829, 0.2836

Sweetspot

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



42.9200, 0.3669, 0.3572



89.8653, 0.3276, 0.3376



36.7924, 0.3363, 0.2832



18.9010, 0.3302, 0.3390



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.



42.9200, 0.3669, 0.3572



65.9900, 0.3816, 0.3635



54.4896, 0.3576, 0.3908



11.9009, 0.3281, 0.3379



11.6350, 0.5738, 0.3826



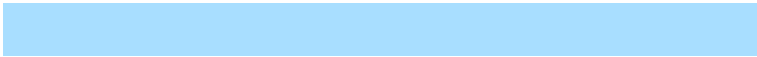
0.7456, 0.5372, 0.4117

Inverse Universe

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



43.8927, 0.2687, 0.2989



67.8450, 0.2595, 0.2915



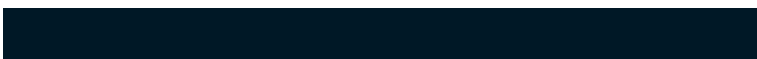
33.4860, 0.2645, 0.2586



11.9828, 0.2983, 0.3200



12.3949, 0.1890, 0.2005



0.7830, 0.1968, 0.2284

Previews

White Background



This preview shows how the Yxy color 42.9180, 0.3669, 0.3572 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 42.9180, 0.3669, 0.3572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

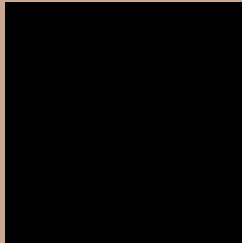
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.9180, 0.3669, 0.3572

Background



This preview shows how black text looks on a background with the Yxy color 42.9180, 0.3669, 0.3572.



This preview shows how white text looks on a background with the Yxy color 42.9180, 0.3669, 0.3572.

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

42.9180, 0.3669, 0.3572

Protanopia

43.0202, 0.3430, 0.3641

Deuteranopia

43.1478, 0.3656, 0.3585



Tritanopia

42.9509, 0.3427, 0.3142

Trichromacy



Original Color

42.9180, 0.3669, 0.3572

Protanomaly

42.7195, 0.3513, 0.3609

Deuteranomaly

43.1478, 0.3656, 0.3585

Tritanomaly

42.7487, 0.3518, 0.3291

Monochromacy



Original Color

42.9180, 0.3669, 0.3572

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.0429, 0.3313, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9180, 0.3669, 0.3572 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, 168, 146)` looks like.

```
.text, #text, p{  
    color:rgb(204, 168, 146)  
}
```

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, 168, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 168, 146) }
```

Border

The CSS property to change the border of an element to Yxy 42.9180, 0.3669, 0.3572 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, 168, 146) }
```

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

```
.border{ border-color:rgb(204, 168, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 168, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 168, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 168, 146); box-shadow:4px 4px 4px 4px rgb(204, 168, 146) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9180, 0.3669, 0.3572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 168, 146) }
```

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

```
.background{ background-color: rgb(204,  
168, 146) }
```

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