

Converting Colors

$Y_{xy}(42.3595, 0.2993, 0.3887)$

Have a look what the booklet for
Yxy(42.3595, 0.2993, 0.3887)
contains.

Yxy(42.2109, 0.2988, 0.3882)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.2109, 0.2988, 0.3882)

Conversions

Conversions Part 1

Format	Color
Hex	85BA93
RGB	133, 186, 147
RGB Percent	52%, 73%, 58%
CMY	0.4787, 0.2705, 0.4236
CMYK	0.29, 0.00, 0.21, 0.27
HSL	136°, 28%, 63%
HSV	136°, 29%, 73%
XYZ	32.4900, 42.2109, 34.0340
YIQ	165.7070, -19.0690, -23.3650

Conversions

Conversions Part 2

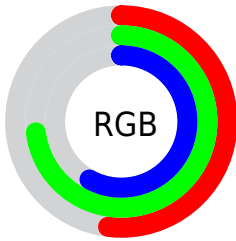
Format	Color
RYB	133, 175, 186
Decimal	8764051
CIELab	71.02, -25.47, 14.30
CIELCh	71, 29.206, 150.692
Yxy	42.2109, 0.2988, 0.3882
Android (android.graphics.Color)	4286954131 (0xFF85BA93)
YUV	165.7070, -9.2226, -28.6840
Hunter-Lab	64.9699, -24.4335, 14.4203

Details

The Yxy color **42.2109, 0.2988, 0.3882** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.1764, 0.3304, 0.2764**, and the grayscale version is **38.0311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2861, 0.3017, 0.3761**, and **19.4134, 0.2945, 0.4090** is the 20% darker color. If you saturate the color by 10%, you get **40.4270, 0.2944, 0.4133**, and if you desaturate by 10%, it is **44.3174, 0.3036, 0.3653**.

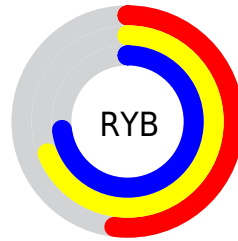
Distribution



Red (52%)

Green (73%)

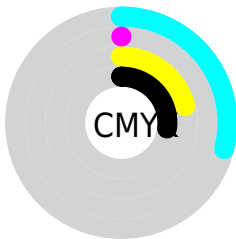
Blue (58%)



Red (52%)

Yellow (69%)

Blue (73%)

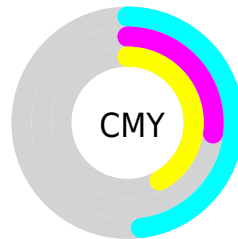


Cyan (29%)

Magenta (0%)

Yellow (21%)

Black (27%)



Cyan (48%)


Magenta (27%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2109, 0.2988, 0.3882 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 42.2109, 0.2988, 0.3882 by changing the saturation by 10% instead.

 42.2109, 0.2988,
0.3882


 42.2109, 0.2988,
0.3882

355.3565, 0.3064,
0.3570


 29.2665, 0.2967,
0.3966


 78.5187, 0.3017,
0.3764

 19.2825, 0.2937,
0.4076


 102.6509, 0.3028,
0.3722

 11.8746, 0.2896,
0.4230

 131.2811, 0.3037,
0.3686

 6.6583, 0.2831,
0.4457

164.7937, 0.3044,
0.3655

 3.2494, 0.2721,
0.4824

203.5732, 0.3050,
0.3629

 1.2633, 0.2524,
0.5933

248.0039, 0.3056,

 0.1125, 0.0000,

0.3607

1.0000

298.4702, 0.3060,
0.3587

0.0000, 0.0000,
0.0000

42.2109, 0.2988,
0.3882

42.2109, 0.2988,
0.3882

40.4270, 0.2944,
0.4133

44.3174, 0.3036,
0.3653

38.9446, 0.2907,
0.4401

46.7561, 0.3085,
0.3447

37.7480, 0.2880,
0.4679

49.5426, 0.3134,
0.3265

36.8181, 0.2865,
0.4957

52.6900, 0.3183,
0.3105

36.1334, 0.2865,
0.5220

56.2106, 0.3229,
0.2965

■ 35.6688, 0.2880,
0.5455

■ 60.1162, 0.3273,
0.2843

■ 35.3838, 0.2907,
0.5651

■ 62.8397, 0.3251,
0.2726

■ 35.3488, 0.2910,
0.5677

■ 63.6049, 0.3159,
0.2614

Harmonies

Analogous

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



42.2109, 0.3407, 0.4049



42.2109, 0.2988, 0.3882



42.2109, 0.2623, 0.3519

Triad

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



42.2109, 0.2988, 0.3882



42.2109, 0.2502, 0.2625



42.2109, 0.3914, 0.3390

Complementary

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



42.2109, 0.2988, 0.3882



30.1764, 0.3304, 0.2764

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.



42.2109, 0.3638, 0.3057



42.2109, 0.2988, 0.3882



42.2109, 0.2811, 0.2631

Square

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



42.2109, 0.2988, 0.3882



42.2109, 0.2357, 0.2787



42.2109, 0.3226, 0.2787



42.2109, 0.3958, 0.3722

Rectangle

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



42.2109, 0.2988, 0.3882



42.2109, 0.2454, 0.3240



42.2109, 0.3226, 0.2787



42.2109, 0.3844, 0.3276

Sweetspot

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



42.2127, 0.2988, 0.3882



84.4418, 0.3082, 0.3459



45.6721, 0.3431, 0.4021



18.4457, 0.3075, 0.3488



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.



42.2127, 0.2988, 0.3882



74.4795, 0.2961, 0.4031



43.1137, 0.2807, 0.3484



10.0981, 0.3081, 0.3463



23.7875, 0.2904, 0.5655



0.8492, 0.2755, 0.5117

Inverse Universe

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



30.1764, 0.3304, 0.2764



49.2142, 0.3351, 0.2650



29.2809, 0.3590, 0.3106



9.1210, 0.3177, 0.3123



8.2464, 0.4003, 0.1979



0.3003, 0.3757, 0.1843

Previews

White Background



This preview shows how the Yxy color 42.2109, 0.2988, 0.3882 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 42.2109, 0.2988, 0.3882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

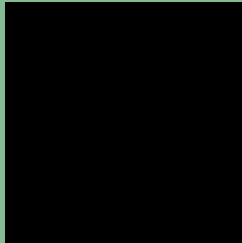
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2109, 0.2988, 0.3882

Background



This preview shows how black text looks on a background with the Yxy color 42.2109, 0.2988, 0.3882.



This preview shows how white text looks on a background with the Yxy color 42.2109, 0.2988, 0.3882.

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

42.2109, 0.2988, 0.3882

Protanopia

42.0006, 0.3505, 0.3725

Deuteranopia

41.8776, 0.3567, 0.3499



Tritanopia

42.2883, 0.2721, 0.3093

Trichromacy



Original Color

42.2109, 0.2988, 0.3882

Protanomaly

41.8233, 0.3298, 0.3790

Deuteranomaly

41.4728, 0.3330, 0.3625

Tritanomaly

42.1192, 0.2818, 0.3362

Monochromacy



Original Color

42.2109, 0.2988, 0.3882

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.2604, 0.3073, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2109, 0.2988, 0.3882 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(133, 186, 147)` looks like.

```
.text, #text, p{  
    color:rgb(133, 186, 147)  
}
```

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(133, 186, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 186, 147) }
```

Border

The CSS property to change the border of an element to Yxy 42.2109, 0.2988, 0.3882 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(133, 186, 147) }
```

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

```
.border{ border-color:rgb(133, 186, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 186, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 186, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 186, 147);  
box-shadow:4px 4px 4px 4px rgb(133, 186,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2109, 0.2988, 0.3882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 186, 147) }
```

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

```
.background{ background-color: rgb(133,  
186, 147) }
```

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