

Converting Colors

$Yxy(42.1519, 0.2959, 0.3916)$

Have a look what the booklet for
Yxy(42.1519, 0.2959, 0.3916)
contains.

Yxy(42.2052, 0.2958, 0.3918)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.2052, 0.2958, 0.3918)

Conversions

Conversions Part 1

Format	Color
Hex	80BB92
RGB	128, 187, 146
RGB Percent	50%, 73%, 57%
CMY	0.4979, 0.2667, 0.4275
CMYK	0.32, 0.00, 0.22, 0.27
HSL	138°, 30%, 62%
HSV	138°, 32%, 73%
XYZ	31.8640, 42.2052, 33.6521
YIQ	164.6850, -22.0030, -25.2590

Conversions

Conversions Part 2

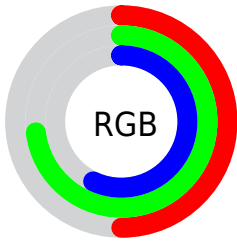
Format	Color
RYB	128, 173, 187
Decimal	8436626
CIELab	71.01, -27.71, 14.80
CIELCh	71, 31.415, 151.895
Yxy	42.2052, 0.2958, 0.3918
Android (android.graphics.Color)	4286626706 (0xFF80BB92)
YUV	164.6850, -9.2117, -32.1727
Hunter-Lab	64.9655, -26.1399, 14.7637

Details

The Yxy color **42.2052, 0.2958, 0.3918** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.8808, 0.3353, 0.2736**, and the grayscale version is **37.5251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2164, 0.2992, 0.3788**, and **19.1378, 0.2896, 0.4126** is the 20% darker color. If you saturate the color by 10%, you get **40.5054, 0.2912, 0.4160**, and if you desaturate by 10%, it is **44.2219, 0.3009, 0.3695**.

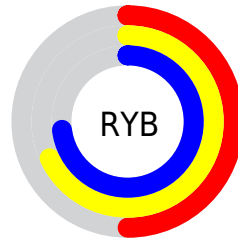
Distribution



Red (50%)

Green (73%)

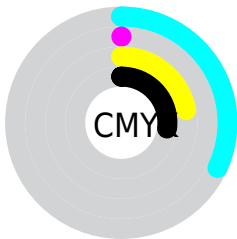
Blue (57%)



Red (50%)

Yellow (68%)

Blue (73%)

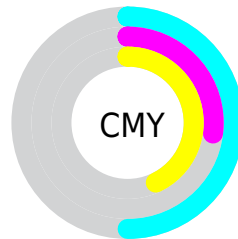


Cyan (32%)

Magenta (0%)

Yellow (22%)

Black (27%)



Cyan (50%)


Magenta (27%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2052, 0.2958, 0.3918 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 42.2052, 0.2958, 0.3918 by changing the saturation by 10% instead.


 42.2052, 0.2958,
0.3918

 42.2052, 0.2958,
0.3918


355.3329, 0.3050,
0.3586


 29.2620, 0.2932,
0.4007


 78.5101, 0.2994,
0.3793

 19.2791, 0.2897,
0.4125


 102.6406, 0.3006,
0.3747

 11.8721, 0.2848,
0.4290


 131.2689, 0.3017,
0.3709

 6.6567, 0.2772,
0.4533

164.7796, 0.3026,
0.3677

 3.2483, 0.2642,
0.4927

203.5569, 0.3033,
0.3649

 1.2627, 0.2367,
0.6197

247.9853, 0.3040,


 0.1121, 0.0000,


0.3625

1.0000


298.4492, 0.3045,
0.3604


 0.0000, 0.0000,
0.0000

 42.2052, 0.2958,
0.3918


 42.2052, 0.2958,
0.3918


 40.5054, 0.2912,
0.4160


 44.2219, 0.3009,
0.3695


 39.1009, 0.2874,
0.4418


 46.5652, 0.3064,
0.3494


 37.9758, 0.2848,
0.4684

 49.2509, 0.3119,
0.3315

 37.1103, 0.2836,
0.4948

 52.2923, 0.3173,
0.3158


 36.4822, 0.2840,
0.5199


 55.7018, 0.3226,
0.3019


 36.0649, 0.2860,
0.5423

 59.4914, 0.3277,
0.2899

 35.8341, 0.2885,
0.5587

 62.9173, 0.3293,
0.2789

 63.7059, 0.3195,
0.2668

 64.0198, 0.3158,
0.2624

Harmonies

Analogous

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



42.2052, 0.3408, 0.4107



42.2052, 0.2958, 0.3918



42.2052, 0.2572, 0.3518

Triad

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



42.2052, 0.2958, 0.3918



42.2052, 0.2468, 0.2575



42.2052, 0.3981, 0.3408

Complementary

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



42.2052, 0.2958, 0.3918



28.8808, 0.3353, 0.2736

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.



42.2052, 0.3693, 0.3052



42.2052, 0.2958, 0.3918



42.2052, 0.2803, 0.2590

Square

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



42.2052, 0.2958, 0.3918



42.2052, 0.2306, 0.2738



42.2052, 0.3251, 0.2762



42.2052, 0.4017, 0.3763

Rectangle

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



42.2052, 0.2958, 0.3918



42.2052, 0.2398, 0.3215



42.2052, 0.3251, 0.2762



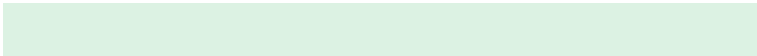
42.2052, 0.3910, 0.3286

Sweetspot

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



42.2070, 0.2958, 0.3918



84.4893, 0.3077, 0.3450



45.5689, 0.3436, 0.4109



18.4576, 0.3069, 0.3477



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.



42.2070, 0.2958, 0.3918



73.3782, 0.2925, 0.4088



43.2356, 0.2758, 0.3463



10.6961, 0.3076, 0.3454



24.7021, 0.2879, 0.5566



0.9796, 0.2737, 0.5053

Inverse Universe

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



28.8808, 0.3353, 0.2736



45.6639, 0.3419, 0.2611



27.9025, 0.3691, 0.3127



9.6455, 0.3183, 0.3132



8.4050, 0.4149, 0.2059



0.3404, 0.3873, 0.1907

Previews

White Background



This preview shows how the Yxy color 42.2052, 0.2958, 0.3918 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 42.2052, 0.2958, 0.3918 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 42.2052, 0.2958, 0.3918

Background



This preview shows how black text looks on a background with the Yxy color 42.2052, 0.2958, 0.3918.



This preview shows how white text looks on a background with the Yxy color 42.2052, 0.2958, 0.3918.

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

42.2052, 0.2958, 0.3918

Protanopia

41.9416, 0.3523, 0.3753

Deuteranopia

41.8452, 0.3577, 0.3512



Tritanopia

41.9859, 0.2686, 0.3077

Trichromacy



Original Color

42.2052, 0.2958, 0.3918

Protanomaly

41.6863, 0.3297, 0.3806

Deuteranomaly

41.3263, 0.3329, 0.3640

Tritanomaly

42.1096, 0.2783, 0.3377

Monochromacy



Original Color

42.2052, 0.2958, 0.3918

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.0312, 0.3064, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2052, 0.2958, 0.3918 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(128, 187, 146)` looks like.

```
.text, #text, p{  
    color:rgb(128, 187, 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(128, 187, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 187, 146) }
```

Border

The CSS property to change the border of an element to Yxy 42.2052, 0.2958, 0.3918 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(128, 187, 146) }
```

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

```
.border{ border-color:rgb(128, 187, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 187, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 187, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 187, 146);  
box-shadow:4px 4px 4px 4px rgb(128, 187,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2052, 0.2958, 0.3918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 187, 146) }
```

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

```
.background{ background-color: rgb(128,  
187, 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