

Converting Colors

$Yxy(43.1241, 0.2950, 0.3947)$

Have a look what the booklet for
Yxy(43.1241, 0.2950, 0.3947)
contains.

Yxy(42.9825, 0.2951, 0.3946)	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(42.9825, 0.2951, 0.3946)

Conversions

Conversions Part 1

Format	Color
Hex	7FBD92
RGB	127, 189, 146
RGB Percent	50%, 74%, 57%
CMY	0.5018, 0.2588, 0.4274
CMYK	0.33, 0.00, 0.23, 0.26
HSL	138°, 32%, 62%
HSV	138°, 33%, 74%
XYZ	32.1443, 42.9825, 33.8000
YIQ	165.5600, -23.1490, -26.5170

Conversions

Conversions Part 2

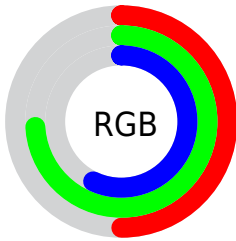
Format	Color
RYB	127, 174, 189
Decimal	8371602
CIELab	71.54, -28.98, 15.52
CIELCh	72, 32.876, 151.837
Yxy	42.9825, 0.2951, 0.3946
Android (android.graphics.Color)	4286561682 (0xFF7FBD92)
YUV	165.5600, -9.6431, -33.8171
Hunter-Lab	65.5610, -27.2141, 15.3258

Details

The Yxy color **42.9825, 0.2951, 0.3946** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.9135, 0.3365, 0.2715**, and the grayscale version is **37.9716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9054, 0.2986, 0.3821**, and **19.6500, 0.2889, 0.4165** is the 20% darker color. If you saturate the color by 10%, you get **41.2809, 0.2906, 0.4190**, and if you desaturate by 10%, it is **45.0067, 0.3002, 0.3721**.

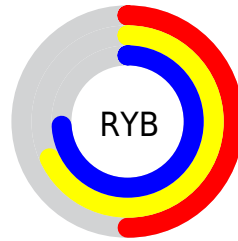
Distribution



Red (50%)

Green (74%)

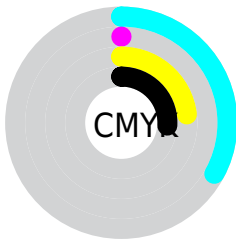
Blue (57%)



Red (50%)

Yellow (68%)

Blue (74%)

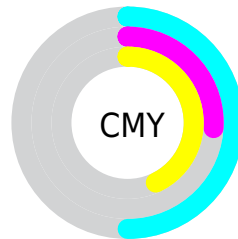


Cyan (33%)

Magenta (0%)

Yellow (23%)

Black (26%)



Cyan (50%)


Magenta (26%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9825, 0.2951, 0.3946 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 42.9825, 0.2951, 0.3946 by changing the saturation by 10% instead.


 42.9825, 0.2951,
0.3946


 42.9825, 0.2951,
0.3946


358.5398, 0.3047,
0.3600


 29.8714, 0.2924,
0.4039


 79.6845, 0.2988,
0.3816

 19.7410, 0.2888,
0.4162


 104.0441, 0.3001,
0.3768

 12.2069, 0.2836,
0.4332


 132.9220, 0.3012,
0.3728

 6.8848, 0.2757,
0.4584

166.7026, 0.3021,
0.3695

 3.3901, 0.2623,
0.4989

205.7703, 0.3029,
0.3666

 1.3386, 0.2356,
0.6220

250.5095, 0.3036,

 0.1708, 0.0000,

0.3641

1.0000

301.3045, 0.3042,
0.3619

0.0000, 0.0000,
0.0000

42.9825, 0.2951,
0.3946

42.9825, 0.2951,
0.3946

41.2809, 0.2906,
0.4190

45.0067, 0.3002,
0.3721

39.8798, 0.2869,
0.4449

47.3637, 0.3056,
0.3518

38.7625, 0.2844,
0.4715


50.0699, 0.3112,
0.3337

37.9085, 0.2834,
0.4978

53.1388, 0.3167,
0.3176


37.2944, 0.2841,
0.5225


56.5835, 0.3220,
0.3036

 36.8925, 0.2863,
0.5446

 60.4162, 0.3271,
0.2914

 36.6967, 0.2884,
0.5584

 63.8148, 0.3286,
0.2802

 64.6132, 0.3187,
0.2680

 64.8727, 0.3157,
0.2644

Harmonies

Analogous

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



42.9825, 0.3418, 0.4141



42.9825, 0.2951, 0.3946



42.9825, 0.2551, 0.3527

Triad

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



42.9825, 0.2951, 0.3946



42.9825, 0.2442, 0.2548



42.9825, 0.4015, 0.3410

Complementary

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



42.9825, 0.2951, 0.3946



28.9135, 0.3365, 0.2715

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.



42.9825, 0.3714, 0.3042



42.9825, 0.2951, 0.3946



42.9825, 0.2789, 0.2564

Square

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



42.9825, 0.2951, 0.3946



42.9825, 0.2276, 0.2716



42.9825, 0.3254, 0.2742



42.9825, 0.4052, 0.3778

Rectangle

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



42.9825, 0.2951, 0.3946



42.9825, 0.2370, 0.3212



42.9825, 0.3254, 0.2742



42.9825, 0.3941, 0.3284

Sweetspot

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



42.9843, 0.2951, 0.3946



86.0405, 0.3071, 0.3468



46.5183, 0.3447, 0.4144



18.3621, 0.3063, 0.3495



95.5105, 0.3127, 0.3290



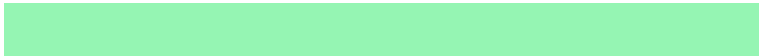
19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.9843, 0.2951, 0.3946



74.8408, 0.2919, 0.4111



44.0673, 0.2745, 0.3470



10.6964, 0.3075, 0.3453



24.7045, 0.2878, 0.5561



0.9797, 0.2736, 0.5048

Inverse Universe

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



28.9135, 0.3365, 0.2715



45.9114, 0.3431, 0.2594



27.8869, 0.3723, 0.3120



9.6452, 0.3183, 0.3132



8.3987, 0.4155, 0.2063



0.3401, 0.3878, 0.1910

Previews

White Background



This preview shows how the Yxy color 42.9825, 0.2951, 0.3946 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 42.9825, 0.2951, 0.3946 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 42.9825, 0.2951, 0.3946

Background



This preview shows how black text looks on a background with the Yxy color 42.9825, 0.2951, 0.3946.



This preview shows how white text looks on a background with the Yxy color 42.9825, 0.2951, 0.3946.

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

42.9825, 0.2951, 0.3946

Protanopia

42.4505, 0.3529, 0.3764

Deuteranopia

42.4866, 0.3593, 0.3523



Tritanopia

42.8055, 0.2670, 0.3078

Trichromacy



Original Color

42.9825, 0.2951, 0.3946

Protanomaly

42.0857, 0.3295, 0.3819

Deuteranomaly

42.1048, 0.3325, 0.3666

Tritanomaly

42.8988, 0.2771, 0.3391

Monochromacy



Original Color

42.9825, 0.2951, 0.3946

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.4507, 0.3055, 0.3510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9825, 0.2951, 0.3946 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(127, 189, 146)` looks like.

```
.text, #text, p{  
    color:rgb(127, 189, 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(127, 189, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 189, 146) }
```

Border

The CSS property to change the border of an element to Yxy 42.9825, 0.2951, 0.3946 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(127, 189, 146) }
```

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

```
.border{ border-color:rgb(127, 189, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 189, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 189, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 189, 146);  
box-shadow:4px 4px 4px 4px rgb(127, 189,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9825, 0.2951, 0.3946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 189, 146) }
```

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

```
.background{ background-color: rgb(127,  
189, 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