

Converting Colors

$Yxy(42.8062, 0.3244, 0.4141)$

Have a look what the booklet for
Yxy(42.8062, 0.3244, 0.4141)
contains.

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Color

Yxy(42.8794, 0.3242, 0.4151)

Conversions

Conversions Part 1

Format	Color
Hex	93BA80
RGB	147, 186, 128
RGB Percent	58%, 73%, 50%
CMY	0.4235, 0.2706, 0.4981
CMYK	0.21, 0.00, 0.31, 0.27
HSL	100°, 30%, 62%
HSV	100°, 31%, 73%
XYZ	33.4895, 42.8794, 26.9300
YIQ	167.7270, -4.6260, -26.3060

Conversions

Conversions Part 2

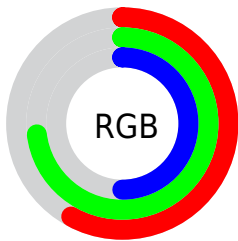
Format	Color
RYB	128, 186, 167
Decimal	9681536
CIELab	71.47, -23.89, 25.27
CIELCh	71, 34.776, 133.386
Yxy	42.8794, 0.3242, 0.4151
Android (android.graphics.Color)	4287871616 (0xFF93BA80)
YUV	167.7270, -19.5854, -18.1776
Hunter-Lab	65.4824, -23.3042, 21.4543

Details

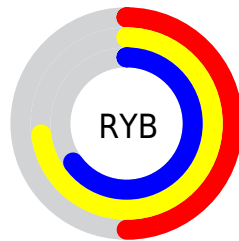
The Yxy color **42.8794, 0.3242, 0.4151** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.1942, 0.2964, 0.2479**, and the grayscale version is **39.1185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3970, 0.3231, 0.3980**, and **19.7580, 0.3255, 0.4440** is the 20% darker color. If you saturate the color by 10%, you get **41.3419, 0.3269, 0.4466**, and if you desaturate by 10%, it is **44.6360, 0.3209, 0.3851**.

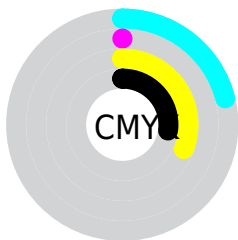
Distribution



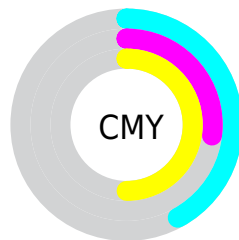
- Red (58%)
- Green (73%)
- Blue (50%)



- Red (50%)
- Yellow (73%)
- Blue (65%)



- Cyan (21%)
- Magenta (0%)
- Yellow (31%)
- Black (27%)



- Cyan (42%)
- Magenta (27%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8794, 0.3242, 0.4151 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 42.8794, 0.3242, 0.4151 by changing the saturation by 10% instead.


 42.8794, 0.3242,
0.4151

 42.8794, 0.3242,
0.4151

358.1156, 0.3195,
0.3697


 29.7905, 0.3250,
0.4272


 79.5288, 0.3228,
0.3981

 19.6796, 0.3256,
0.4430


 103.8582, 0.3222,
0.3918

 12.1624, 0.3259,
0.4648


 132.7031, 0.3216,
0.3866

 6.8544, 0.3251,
0.4964

166.4480, 0.3211,
0.3822

 3.3712, 0.3210,
0.5459

205.4773, 0.3206,
0.3784

 1.3285, 0.3196,
0.6804

250.1754, 0.3202,

 0.1631, 0.0000,

0.3751

1.0000

300.9267, 0.3198,
0.3722

■ 0.0000, 0.0000,
0.0000

■ 42.8794, 0.3242,
0.4151

■ 42.8794, 0.3242,
0.4151

■ 41.3419, 0.3269,
0.4466

■ 44.6360, 0.3209,
0.3851

■ 40.0089, 0.3285,
0.4786

■ 46.6145, 0.3171,
0.3572

■ 38.8729, 0.3289,
0.5093


■ 48.8245, 0.3132,
0.3318


■ 37.9232, 0.3278,
0.5371


■ 51.2737, 0.3092,
0.3091


■ 37.1484, 0.3251,
0.5600


■ 53.9691, 0.3054,
0.2889


 36.5353, 0.3209,
0.5767

 56.9175, 0.3016,
0.2710

 36.1105, 0.3166,
0.5868

 59.9181, 0.3003,
0.2581

 62.1152, 0.3098,
0.2601

 63.5983, 0.3159,
0.2614

Harmonies

Analogous

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



42.8794, 0.3713, 0.4168



42.8794, 0.3242, 0.4151



42.8794, 0.2762, 0.3835

Triad

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



42.8794, 0.3242, 0.4151



42.8794, 0.2273, 0.2591



42.8794, 0.3900, 0.3171

Complementary

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



42.8794, 0.3242, 0.4151



27.1942, 0.2964, 0.2479

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.



42.8794, 0.3458, 0.2822



42.8794, 0.3242, 0.4151



42.8794, 0.2525, 0.2493

Square

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



42.8794, 0.3242, 0.4151



42.8794, 0.2228, 0.2887



42.8794, 0.2949, 0.2580



42.8794, 0.4118, 0.3567

Rectangle

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



42.8794, 0.3242, 0.4151



42.8794, 0.2500, 0.3515



42.8794, 0.2949, 0.2580



42.8794, 0.3771, 0.3046

Sweetspot

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



42.8812, 0.3242, 0.4151



85.2726, 0.3163, 0.3518



39.5123, 0.3663, 0.3819



18.6543, 0.3169, 0.3557



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.



42.8812, 0.3242, 0.4151



75.8874, 0.3260, 0.4353



41.5320, 0.3016, 0.4038



10.1993, 0.3164, 0.3523



24.3304, 0.3175, 0.5861



0.8922, 0.3390, 0.5690

Inverse Universe

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



27.1942, 0.2964, 0.2479



43.2074, 0.2920, 0.2303



29.0232, 0.3263, 0.2643



9.0112, 0.3087, 0.3061



5.3602, 0.2406, 0.1099



0.2210, 0.2620, 0.1217

Previews

White Background



This preview shows how the Yxy color 42.8794, 0.3242, 0.4151 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 42.8794, 0.3242, 0.4151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

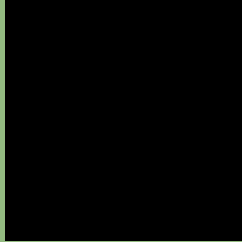
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8794, 0.3242, 0.4151

Background



This preview shows how black text looks on a background with the Yxy color 42.8794, 0.3242, 0.4151.



This preview shows how white text looks on a background with the Yxy color 42.8794, 0.3242, 0.4151.

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

42.8794, 0.3242, 0.4151

Protanopia

42.3935, 0.3698, 0.3974

Deuteranopia

42.2825, 0.3814, 0.3737



Tritanopia

42.8147, 0.2846, 0.3098

Trichromacy



Original Color

42.8794, 0.3242, 0.4151

Protanomaly

42.2057, 0.3521, 0.4032

Deuteranomaly

42.1011, 0.3590, 0.3875

Tritanomaly

42.6846, 0.2985, 0.3461

Monochromacy



Original Color

42.8794, 0.3242, 0.4151

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.4334, 0.3174, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8794, 0.3242, 0.4151 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(147, 186, 128)` looks like.

```
.text, #text, p{  
    color:rgb(147, 186, 128)  
}
```

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(147, 186, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 186, 128) }
```

Border

The CSS property to change the border of an element to Yxy 42.8794, 0.3242, 0.4151 is called "border". The border property can be set on classes, ids or directly on the HTML element.

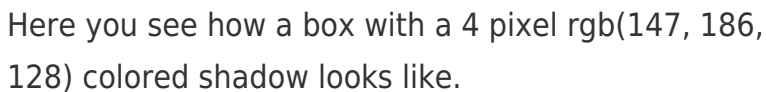
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 186, 128) }
```

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

```
.border{ border-color:rgb(147, 186, 128) }
```

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



Here you see how a box with a 4 pixel rgb(147, 186, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 186, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 186, 128);  
box-shadow:4px 4px 4px 4px rgb(147, 186,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8794, 0.3242, 0.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 186, 128) }
```

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

```
.background{ background-color: rgb(147,  
186, 128) }
```

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](#).

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