

Converting Colors

$Y_{xy}(42.1057, 0.3533, 0.3947)$

Have a look what the booklet for
Yxy(42.1057, 0.3533, 0.3947)
contains.

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Color

Yxy(41.9828, 0.3533, 0.3942)

Conversions

Conversions Part 1

Format	Color
Hex	B1B081
RGB	177, 176, 129
RGB Percent	69%, 69%, 51%
CMY	0.3057, 0.3098, 0.4941
CMYK	0.00, 0.01, 0.27, 0.31
HSL	59°, 24%, 60%
HSV	59°, 27%, 69%
XYZ	37.6269, 41.9828, 26.8916
YIQ	170.9410, 15.6830, -14.4050

Conversions

Conversions Part 2

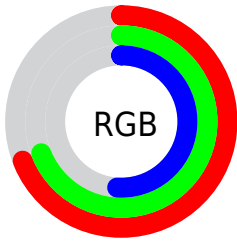
Format	Color
RYB	130, 177, 129
Decimal	11645057
CIELab	70.86, -7.26, 24.27
CIElCh	71, 25.337, 106.650
Yxy	41.9828, 0.3533, 0.3942
Android (android.graphics.Color)	4289835137 (0xFFB1B081)
YUV	170.9410, -20.6769, 5.3137
Hunter-Lab	64.7941, -9.7322, 20.7487

Details

The Yxy color $41.9828, 0.3533, 0.3942$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $23.8252, 0.2666, 0.2542$, and the grayscale version is $40.7974, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.4143, 0.3459, 0.3826$, and $19.2649, 0.3647, 0.4150$ is the 20% darker color. If you saturate the color by 10%, you get $41.4021, 0.3682, 0.4179$, and if you desaturate by 10%, it is $42.6493, 0.3381, 0.3699$.

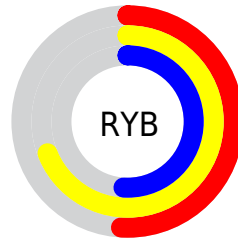
Distribution



Red (69%)

Green (69%)

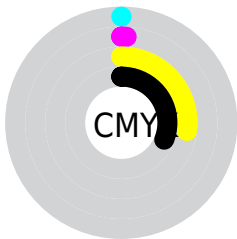
Blue (51%)



Red (51%)

Yellow (69%)

Blue (51%)

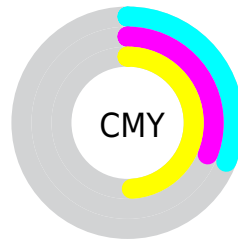


Cyan (0%)

Magenta (1%)

Yellow (27%)

Black (31%)



Cyan (31%)

Magenta (31%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9828, 0.3533, 0.3942 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 41.9828, 0.3533, 0.3942 by changing the saturation by 10% instead.


 41.9828, 0.3533,
0.3942

 41.9828, 0.3533,
0.3942


354.4116, 0.3331,
0.3607


 29.0878, 0.3582,
0.4028


 78.1736, 0.3460,
0.3818

 19.1473, 0.3644,
0.4139


 102.2382, 0.3433,
0.3773

 11.7767, 0.3724,
0.4288


 130.7948, 0.3409,
0.3734

 6.5918, 0.3829,
0.4496

164.2278, 0.3389,
0.3701

 3.2082, 0.3970,
0.4806

202.9216, 0.3372,
0.3673

 1.2414, 0.4390,
0.5610

247.2606, 0.3357,

 0.0951, 0.0000,

0.3648

1.0000

297.6291, 0.3343,
0.3626

■ 0.0000, 0.0000,
0.0000

■ 41.9828, 0.3533,
0.3942

■ 41.9828, 0.3533,
0.3942

■ 41.4021, 0.3682,
0.4179

■ 42.6493, 0.3381,
0.3699

■ 40.8973, 0.3822,
0.4401

■ 43.3999, 0.3231,
0.3458

■ 40.4657, 0.3947,
0.4598


■ 44.2400, 0.3086,
0.3224

■ 40.1022, 0.4053,
0.4763


■ 45.1731, 0.2949,
0.3002

■ 39.8013, 0.4135,
0.4887


■ 46.2025, 0.2821,
0.2795

 39.5561, 0.4192,
0.4970

 47.3312, 0.2704,
0.2603

 39.3570, 0.4224,
0.5013

 48.5623, 0.2596,
0.2428

 39.3031, 0.4232,
0.5022

 48.8497, 0.2585,
0.2413

 49.0054, 0.2585,
0.2417

Harmonies

Analogous

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



41.9828, 0.3785, 0.3802



41.9828, 0.3533, 0.3942



41.9828, 0.3180, 0.3893

Triad

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



41.9828, 0.3533, 0.3942



41.9828, 0.2448, 0.2971



41.9828, 0.3413, 0.2965

Complementary

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



41.9828, 0.3533, 0.3942



23.8252, 0.2666, 0.2542

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.



41.9828, 0.3040, 0.2769



41.9828, 0.3533, 0.3942



41.9828, 0.2500, 0.2757

Square

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



41.9828, 0.3533, 0.3942



41.9828, 0.2563, 0.3298



41.9828, 0.2710, 0.2691



41.9828, 0.3719, 0.3241

Rectangle

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



41.9828, 0.3533, 0.3942



41.9828, 0.2939, 0.3748



41.9828, 0.2710, 0.2691



41.9828, 0.3290, 0.2889

Sweetspot

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



41.9847, 0.3533, 0.3942



77.5434, 0.3246, 0.3482



26.6830, 0.3682, 0.3268



16.7602, 0.3268, 0.3517



89.0005, 0.3127, 0.3290



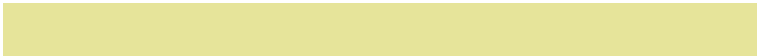
17.0645, 0.3127, 0.3290

Same Dimension

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



41.9847, 0.3533, 0.3942



74.4653, 0.3629, 0.4096



39.9783, 0.3319, 0.4003



9.8741, 0.3264, 0.3510



28.4733, 0.4231, 0.5022



0.9059, 0.4220, 0.5031

Inverse Universe

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



23.8252, 0.2666, 0.2542



36.1160, 0.2538, 0.2333



25.4988, 0.2887, 0.2571



8.2590, 0.2985, 0.3060



2.3726, 0.1505, 0.0617



0.0845, 0.1525, 0.0689

Previews

White Background



This preview shows how the Yxy color 41.9828, 0.3533, 0.3942 looks on a white background.

Color Contrast Check

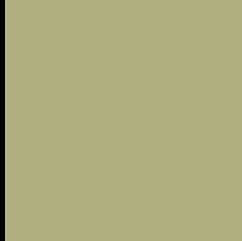
Large Text (above 18pt) WCAG AA × Fail

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 41.9828, 0.3533, 0.3942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

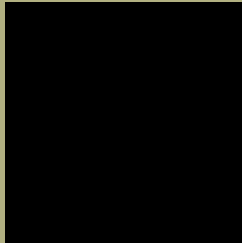
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

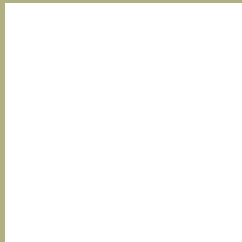
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.9828, 0.3533, 0.3942

Background



This preview shows how black text looks on a background with the Yxy color 41.9828, 0.3533, 0.3942.



This preview shows how white text looks on a background with the Yxy color 41.9828, 0.3533, 0.3942.

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

41.9828, 0.3533, 0.3942

Protanopia

41.8848, 0.3639, 0.3899

Deuteranopia

41.7485, 0.3818, 0.3739



Tritanopia

41.9437, 0.3153, 0.3119

Trichromacy



Original Color

41.9828, 0.3533, 0.3942

Protanomaly

41.8979, 0.3606, 0.3918

Deuteranomaly

41.8305, 0.3711, 0.3819

Tritanomaly

41.9731, 0.3286, 0.3412

Monochromacy



Original Color

41.9828, 0.3533, 0.3942

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.1717, 0.3270, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9828, 0.3533, 0.3942 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(177, 176, 129)` looks like.

```
.text, #text, p{  
    color:rgb(177, 176, 129)  
}
```

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(177, 176, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 176, 129) }
```

Border

The CSS property to change the border of an element to Yxy 41.9828, 0.3533, 0.3942 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(177, 176, 129) }
```

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

```
.border{ border-color:rgb(177, 176, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 176, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 176, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 176, 129);  
box-shadow:4px 4px 4px 4px rgb(177, 176,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9828, 0.3533, 0.3942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 176, 129) }
```

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

```
.background{ background-color: rgb(177,  
176, 129) }
```

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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