

Converting Colors

$Y_{xy}(40.6794, 0.3625, 0.3850)$

Have a look what the booklet for
Yxy(40.6794, 0.3625, 0.3850)
contains.

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Color

Yxy(40.6487, 0.3632, 0.3850)

Conversions

Conversions Part 1

Format	Color
Hex	B9AA81
RGB	185, 170, 129
RGB Percent	73%, 67%, 51%
CMY	0.2744, 0.3333, 0.4942
CMYK	0.00, 0.08, 0.30, 0.27
HSL	44°, 29%, 62%
HSV	44°, 30%, 73%
XYZ	38.3470, 40.6487, 26.5853
YIQ	169.8110, 22.1010, -9.5710

Conversions

Conversions Part 2

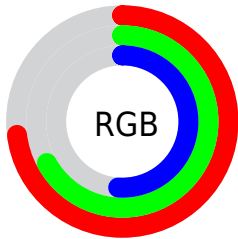
Format	Color
R_{YB}	149, 185, 129
Decimal	12167809
CIE Lab	69.93, -0.92, 23.15
CIE LCh	70, 23.168, 92.285
Yxy	40.6487, 0.3632, 0.3850
Android (android.graphics.Color)	4290357889 (0xFFB9AA81)
YUV	169.8110, -20.1198, 13.3208
Hunter-Lab	63.7563, -4.2126, 19.9065

Details

The Yxy color **40.6487, 0.3632, 0.3850** is a light color, and the websafe version is hex **999966**. A complement of this color would be **28.1148, 0.2627, 0.2658**, and the grayscale version is **40.1943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1051, 0.3542, 0.3745**, and **18.3467, 0.3781, 0.4021** is the 20% darker color. If you saturate the color by 10%, you get **38.3780, 0.3820, 0.4037**, and if you desaturate by 10%, it is **43.0823, 0.3453, 0.3660**.

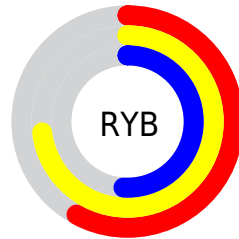
Distribution



Red (73%)

Green (67%)

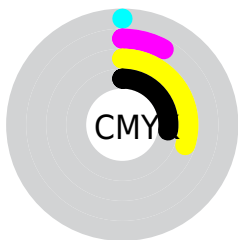
Blue (51%)



Red (58%)

Yellow (73%)

Blue (51%)

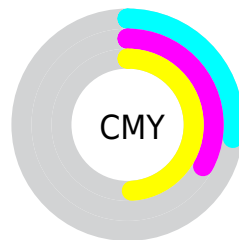


Cyan (0%)

Magenta (8%)

Yellow (30%)

Black (27%)



Cyan (27%)

Magenta (33%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.6487, 0.3632, 0.3850 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 40.6487, 0.3632, 0.3850 by changing the saturation by 10% instead.


 40.6487, 0.3632,
0.3850


 40.6487, 0.3632,
0.3850


348.8502, 0.3376,
0.3565


 28.0447, 0.3696,
0.3922

 76.1503, 0.3539,
0.3746

 18.3593, 0.3778,
0.4014


 99.8167, 0.3504,
0.3707

 11.2083, 0.3887,
0.4137


 127.9394, 0.3474,
0.3674

 6.2071, 0.4034,
0.4305

160.9027, 0.3449,
0.3646

 2.9714, 0.4249,
0.4551

199.0910, 0.3427,
0.3621

 1.1168, 0.4811,
0.5189

242.8888, 0.3408,

 0.0000, 0.0000,

0.3600

0.0000

292.6804, 0.3391,
0.3582

■ 40.6487, 0.3632,
0.3850

■ 40.6487, 0.3632,
0.3850

■ 38.3780, 0.3820,
0.4037

■ 43.0823, 0.3453,
0.3660

■ 36.2591, 0.4011,
0.4212

■ 45.6785, 0.3285,
0.3474

■ 34.2879, 0.4199,
0.4366


■ 48.4440, 0.3131,
0.3295


■ 32.4576, 0.4375,
0.4489


■ 51.3834, 0.2991,
0.3126

■ 30.7608, 0.4532,
0.4571

■ 54.5012, 0.2865,
0.2969


 29.1888, 0.4661,
0.4606

 57.8015, 0.2751,
0.2823

 27.7655, 0.4762,
0.4601

 61.0616, 0.2669,
0.2724

 63.4674, 0.2675,
0.2782

 65.9490, 0.2681,
0.2839

Harmonies

Analogous

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



40.6487, 0.3791, 0.3660



40.6487, 0.3632, 0.3850



40.6487, 0.3340, 0.3891

Triad

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



40.6487, 0.3632, 0.3850



40.6487, 0.2529, 0.3132



40.6487, 0.3228, 0.2889

Complementary

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



40.6487, 0.3632, 0.3850



28.1148, 0.2627, 0.2658

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.



40.6487, 0.2890, 0.2755



40.6487, 0.3632, 0.3850



40.6487, 0.2502, 0.2877

Square

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



40.6487, 0.3632, 0.3850



40.6487, 0.2708, 0.3457



40.6487, 0.2630, 0.2747



40.6487, 0.3553, 0.3117

Rectangle

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



40.6487, 0.3632, 0.3850



40.6487, 0.3114, 0.3815



40.6487, 0.2630, 0.2747



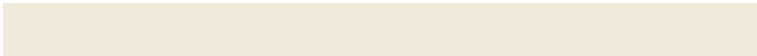
40.6487, 0.3112, 0.2832

Sweetspot

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



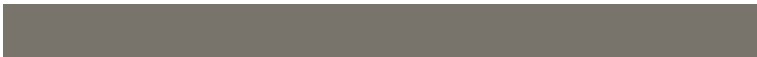
40.6506, 0.3632, 0.3850



82.3404, 0.3267, 0.3453



28.0512, 0.3605, 0.3068



17.6008, 0.3290, 0.3480



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.6506, 0.3632, 0.3850



70.1918, 0.3749, 0.3968



45.1610, 0.3466, 0.4064



10.0851, 0.3270, 0.3457



19.0262, 0.4753, 0.4608



0.7669, 0.4579, 0.4746

Inverse Universe

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



28.1148, 0.2627, 0.2658



44.3466, 0.2512, 0.2501



24.8714, 0.2714, 0.2445



9.1006, 0.2985, 0.3118



4.0191, 0.1596, 0.0946



0.2473, 0.1744, 0.1478

Previews

White Background



This preview shows how the Yxy color 40.6487, 0.3632, 0.3850 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 40.6487, 0.3632, 0.3850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

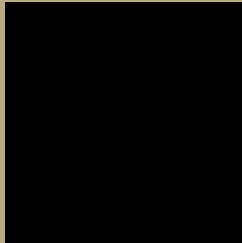
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6487, 0.3632, 0.3850

Background



This preview shows how black text looks on a background with the Yxy color 40.6487, 0.3632, 0.3850.



This preview shows how white text looks on a background with the Yxy color 40.6487, 0.3632, 0.3850.

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

40.6487, 0.3632, 0.3850

Protanopia

40.7781, 0.3608, 0.3866

Deuteranopia

40.5801, 0.3806, 0.3732



Tritanopia

40.7619, 0.3275, 0.3134

Trichromacy



Original Color

40.6487, 0.3632, 0.3850

Protanomaly

40.9011, 0.3618, 0.3864

Deuteranomaly

40.4862, 0.3738, 0.3767

Tritanomaly

40.5945, 0.3408, 0.3384

Monochromacy



Original Color

40.6487, 0.3632, 0.3850

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.2300, 0.3302, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6487, 0.3632, 0.3850 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(185, 170, 129)` looks like.

```
.text, #text, p{  
    color:rgb(185, 170, 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(185, 170, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 170, 129) }
```

Border

The CSS property to change the border of an element to Yxy 40.6487, 0.3632, 0.3850 is called "border". The border property can be set on classes, ids or directly on the HTML element.

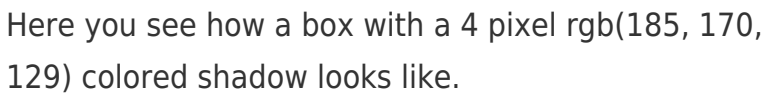
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 170, 129) }
```

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

```
.border{ border-color:rgb(185, 170, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 170, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 170, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 170, 129);  
box-shadow:4px 4px 4px 4px rgb(185, 170,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6487, 0.3632, 0.3850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 170, 129) }
```

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

```
.background{ background-color: rgb(185,  
170, 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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