

Converting Colors

$Y_{xy}(33.8003, 0.3523, 0.3523)$

Have a look what the booklet for
Yxy(33.8003, 0.3523, 0.3523)
contains.

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Color

Yxy(33.8187, 0.3520, 0.3521)

Conversions

Conversions Part 1

Format	Color
Hex	B09989
RGB	176, 153, 137
RGB Percent	69%, 60%, 54%
CMY	0.3099, 0.4000, 0.4627
CMYK	0.00, 0.13, 0.22, 0.31
HSL	25°, 20%, 61%
HSV	25°, 22%, 69%
XYZ	33.8091, 33.8187, 28.4208
YIQ	158.0530, 18.8440, -0.1000

Conversions

Conversions Part 2

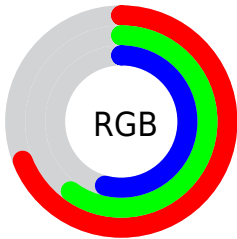
Format	Color
RYB	176, 164, 137
Decimal	11573641
CIELab	64.82, 5.92, 11.53
CIELCh	65, 12.954, 62.830
Yxy	33.8187, 0.3520, 0.3521
Android (android.graphics.Color)	4289763721 (0xFFB09989)
YUV	158.0530, -10.3791, 15.7395
Hunter-Lab	58.1538, 2.0059, 11.7317

Details

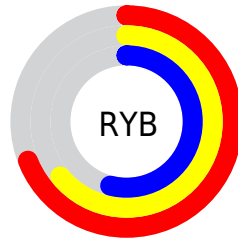
The Yxy color **33.8187, 0.3520, 0.3521** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.5939, 0.2787, 0.3047**, and the grayscale version is **34.2594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4992, 0.3445, 0.3478**, and **14.4018, 0.3654, 0.3594** is the 20% darker color. If you saturate the color by 10%, you get **30.1048, 0.3743, 0.3632**, and if you desaturate by 10%, it is **37.9135, 0.3327, 0.3413**.

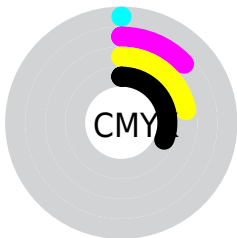
Distribution



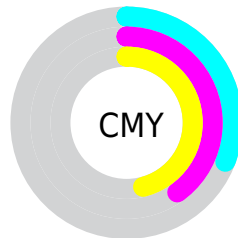
- Red (69%)
- Green (60%)
- Blue (54%)



- Red (69%)
- Yellow (64%)
- Blue (54%)



- Cyan (0%)
- Magenta (13%)
- Yellow (22%)
- Black (31%)





- Cyan (31%)
- Magenta (40%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8187, 0.3520, 0.3521 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 33.8187, 0.3520, 0.3521 by changing the saturation by 10% instead.


 33.8187, 0.3520,
0.3521


 33.8187, 0.3520,
0.3521


319.3229, 0.3312,
0.3402


 22.7544, 0.3576,
0.3552


 65.6516, 0.3442,
0.3477

 14.4122, 0.3650,
0.3592


 87.1890, 0.3413,
0.3461

 8.4079, 0.3754,
0.3646


 112.9862, 0.3389,
0.3447

 4.3571, 0.3907,
0.3723

143.4276, 0.3369,
0.3435

 1.8752, 0.4156,
0.3837

178.8975, 0.3352,
0.3425

 0.5334, 0.5498,
0.4502


219.7805, 0.3337,


 0.0000, 0.0000,


0.3416


0.0000

266.4608, 0.3324,
0.3409

 33.8187, 0.3520,
0.3521


 33.8187, 0.3520,
0.3521


 30.1048, 0.3743,
0.3632


 37.9135, 0.3327,
0.3413


 26.7558, 0.3996,
0.3741


 42.3954, 0.3160,
0.3311


 23.7610, 0.4278,
0.3842

 47.2766, 0.3016,
0.3216

 21.1075, 0.4582,
0.3925

 52.5671, 0.2893,
0.3128

 18.7817, 0.4897,
0.3978

 58.2764, 0.2787,
0.3047

■ 16.7684, 0.5201,
0.3988

■ 64.4140, 0.2695,
0.2973

■ 15.0511, 0.5473,
0.3946

■ 70.6487, 0.2642,
0.2961

■ 13.8903, 0.5661,
0.3887

■ 76.4523, 0.2656,
0.3079

■ 82.6032, 0.2670,
0.3195

Harmonies

Analogous

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



33.8187, 0.3504, 0.3362



33.8187, 0.3520, 0.3521



33.8187, 0.3427, 0.3626

Triad

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



33.8187, 0.3520, 0.3521



33.8187, 0.2874, 0.3387



33.8187, 0.2991, 0.2964

Complementary

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



33.8187, 0.3520, 0.3521



33.5939, 0.2787, 0.3047

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.



33.8187, 0.2830, 0.2961



33.8187, 0.3520, 0.3521



33.8187, 0.2764, 0.3199

Square

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



33.8187, 0.3520, 0.3521



33.8187, 0.3052, 0.3552



33.8187, 0.2749, 0.3044



33.8187, 0.3194, 0.3047

Rectangle

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



33.8187, 0.3520, 0.3521



33.8187, 0.3318, 0.3647



33.8187, 0.2749, 0.3044



33.8187, 0.2931, 0.2954

Sweetspot

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



33.8202, 0.3520, 0.3521



72.7673, 0.3240, 0.3361



29.6777, 0.3312, 0.2958



15.6689, 0.3249, 0.3367



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.



33.8202, 0.3520, 0.3521



57.6735, 0.3635, 0.3580



40.5723, 0.3465, 0.3781



9.0589, 0.3277, 0.3384



10.3034, 0.5643, 0.3901



0.4403, 0.5144, 0.4298

Inverse Universe

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



33.5939, 0.2787, 0.3047



57.1793, 0.2704, 0.2980



27.4799, 0.2765, 0.2746



9.0350, 0.2986, 0.3194



9.6489, 0.1863, 0.1908



0.4150, 0.1982, 0.2336

Previews

White Background



This preview shows how the Yxy color 33.8187, 0.3520, 0.3521 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 33.8187, 0.3520, 0.3521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

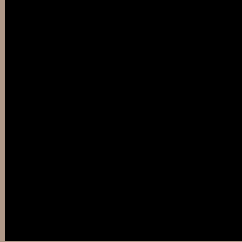
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8187, 0.3520, 0.3521

Background



This preview shows how black text looks on a background with the Yxy color 33.8187, 0.3520, 0.3521.



This preview shows how white text looks on a background with the Yxy color 33.8187, 0.3520, 0.3521.

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

33.8187, 0.3520, 0.3521

Protanopia

33.8705, 0.3365, 0.3559

Deuteranopia

33.9659, 0.3566, 0.3504



Tritanopia

33.6518, 0.3320, 0.3123

Trichromacy



Original Color

33.8187, 0.3520, 0.3521

Protanomaly

33.9367, 0.3418, 0.3556

Deuteranomaly

33.8463, 0.3555, 0.3505

Tritanomaly

33.5447, 0.3398, 0.3263

Monochromacy



Original Color

33.8187, 0.3520, 0.3521

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.9783, 0.3273, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8187, 0.3520, 0.3521 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(176, 153, 137)` looks like.

```
.text, #text, p{  
    color:rgb(176, 153, 137)  
}
```

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(176, 153, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 153, 137) }
```

Border

The CSS property to change the border of an element to Yxy 33.8187, 0.3520, 0.3521 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(176, 153, 137) }
```

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

```
.border{ border-color:rgb(176, 153, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 153, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 153, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 153, 137);  
box-shadow:4px 4px 4px 4px rgb(176, 153,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8187, 0.3520, 0.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 153, 137) }
```

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

```
.background{ background-color: rgb(176,  
153, 137) }
```

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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