

Converting Colors

$Y_{xy}(44.2899, 0.3114, 0.3320)$

Have a look what the booklet for
Yxy(44.2899, 0.3114, 0.3320)
contains.

| | |
|---|----|
| Yxy(44.4887, 0.3117, 0.3330) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(44.4887, 0.3117, 0.3330)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | AFB3B0 |
| RGB | 175, 179, 176 |
| RGB Percent | 69%, 70%, 69% |
| CMY | 0.3136, 0.2981, 0.3098 |
| CMYK | 0.02, 0.00, 0.02, 0.30 |
| HSL | 135°, 3%, 69% |
| HSV | 135°, 2%, 70% |
| XYZ | 41.6430, 44.4887, 47.4680 |
| YIQ | 177.4620, -1.4210, -1.7810 |

Conversions

Conversions Part 2

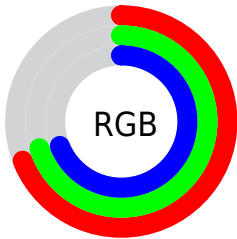
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 175, 178, 179 |
| Decimal | 11514800 |
| CIELab | 72.55, -1.94, 1.03 |
| CIELCh | 73, 2.198, 152.087 |
| Yxy | 44.4887, 0.3117, 0.3330 |
| Android (android.graphics.Color) | 4289704880 (0xFFAFB3B0) |
| YUV | 177.4620, -0.7208, -2.1592 |
| Hunter-Lab | 66.6999, -5.2810, 4.4953 |

Details

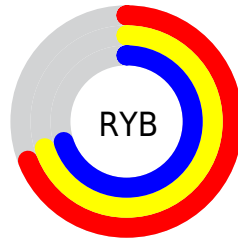
The Yxy color **44.4887, 0.3117, 0.3330** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.4753, 0.3137, 0.3250**, and the grayscale version is **44.2305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0659, 0.3112, 0.3321**, and **20.5879, 0.3114, 0.3327** is the 20% darker color. If you saturate the color by 10%, you get **42.0444, 0.3071, 0.3526**, and if you desaturate by 10%, it is **47.2648, 0.3163, 0.3157**.

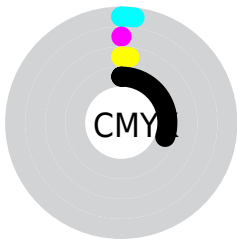
Distribution



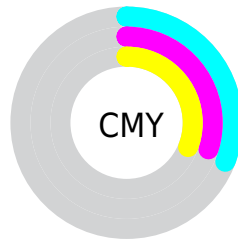
- Red (69%)
- Green (70%)
- Blue (69%)



- Red (69%)
- Yellow (70%)
- Blue (70%)



- Cyan (2%)
- Magenta (0%)
- Yellow (2%)
- Black (30%)



- Cyan (31%)
- Magenta (30%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4887, 0.3117, 0.3330 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 44.4887, 0.3117, 0.3330 by changing the saturation by 10% instead.

■ 44.4887, 0.3117,
0.3330

■ 44.4887, 0.3117,
0.3330

364.6988, 0.3122,
0.3310

■ 31.0549, 0.3116,
0.3335

■ 81.9526, 0.3119,
0.3323

■ 20.6406, 0.3114,
0.3342

106.7515, 0.3120,
0.3320

■ 12.8616, 0.3112,
0.3351

136.1076, 0.3120,
0.3318

■ 7.3333, 0.3108,
0.3363

170.4051, 0.3121,
0.3316

■ 3.6714, 0.3103,
0.3382

210.0287, 0.3121,
0.3314

■ 1.4915, 0.3095,
0.3415

255.3625, 0.3122,

■ 0.2827, 0.2991,

0.3312

0.3821

306.7911, 0.3122,
0.3311

0.0000, 0.0000,
0.0000

44.4887, 0.3117,
0.3330

44.4887, 0.3117,
0.3330

42.0444, 0.3071,
0.3526

47.2648, 0.3163,
0.3157

39.9141, 0.3025,
0.3746

50.3788, 0.3207,
0.3007

38.0864, 0.2981,
0.3990

53.8435, 0.3248,
0.2875

36.5476, 0.2942,
0.4255

57.6694, 0.3288,
0.2761

35.2824, 0.2910,
0.4535

60.0124, 0.3248,
0.2647

■ 34.2745, 0.2888,
0.4821

■ 60.7169, 0.3162,
0.2546

■ 33.5054, 0.2878,
0.5099

■ 32.9545, 0.2883,
0.5356

■ 32.5970, 0.2902,
0.5576

Harmonies

Analogous

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



44.4887, 0.3148, 0.3343



44.4887, 0.3117, 0.3330



44.4887, 0.3088, 0.3306

Triad

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



44.4887, 0.3117, 0.3330



44.4887, 0.3080, 0.3239



44.4887, 0.3185, 0.3302

Complementary

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



44.4887, 0.3117, 0.3330



43.4753, 0.3137, 0.3250

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.



44.4887, 0.3166, 0.3274



44.4887, 0.3117, 0.3330



44.4887, 0.3106, 0.3238

Square

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



44.4887, 0.3117, 0.3330



44.4887, 0.3067, 0.3253



44.4887, 0.3137, 0.3251



44.4887, 0.3188, 0.3327

Rectangle

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



44.4887, 0.3117, 0.3330



44.4887, 0.3075, 0.3287



44.4887, 0.3137, 0.3251



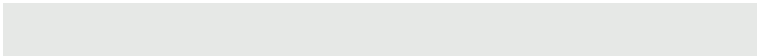
44.4887, 0.3180, 0.3293

Sweetspot

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



44.4906, 0.3117, 0.3330



80.2493, 0.3122, 0.3308



44.8070, 0.3151, 0.3343



17.7849, 0.3123, 0.3307



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



44.4906, 0.3117, 0.3330



79.2972, 0.3113, 0.3346



44.5678, 0.3102, 0.3304



9.8305, 0.3110, 0.3358



22.9174, 0.2916, 0.5698



0.7304, 0.2761, 0.5139

Inverse Universe

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



43.4753, 0.3137, 0.3250



76.7957, 0.3142, 0.3235



43.3981, 0.3153, 0.3276



9.4518, 0.3145, 0.3223



8.0284, 0.3926, 0.1937



0.2611, 0.3688, 0.1805

Previews

White Background



This preview shows how the Yxy color 44.4887, 0.3117, 0.3330 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 44.4887, 0.3117, 0.3330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

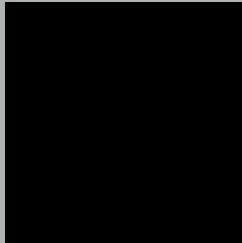
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

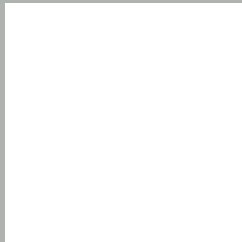
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.4887, 0.3117, 0.3330

Background



This preview shows how black text looks on a background with the Yxy color 44.4887, 0.3117, 0.3330.



This preview shows how white text looks on a background with the Yxy color 44.4887, 0.3117, 0.3330.

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

44.4887, 0.3117, 0.3330

Protanopia

44.4845, 0.3187, 0.3317

Deuteranopia

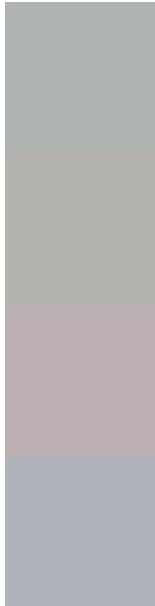
44.2815, 0.3293, 0.3227



Tritanopia

44.5530, 0.3016, 0.3106

Trichromacy



Original Color

44.4887, 0.3117, 0.3330

Protanomaly

44.5196, 0.3160, 0.3330

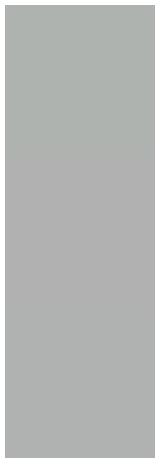
Deuteranomaly

44.5256, 0.3226, 0.3264

Tritanomaly

44.6161, 0.3047, 0.3184

Monochromacy



Original Color

44.4887, 0.3117, 0.3330

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.2452, 0.3118, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4887, 0.3117, 0.3330 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(175, 179, 176)` looks like.

```
.text, #text, p{  
    color:rgb(175, 179, 176)  
}
```

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(175, 179, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 179, 176) }
```

Border

The CSS property to change the border of an element to Yxy 44.4887, 0.3117, 0.3330 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(175, 179, 176) }
```

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

```
.border{ border-color:rgb(175, 179, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 179, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 179, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 179, 176);  
box-shadow:4px 4px 4px 4px rgb(175, 179,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4887, 0.3117, 0.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 179, 176) }
```

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

```
.background{ background-color: rgb(175,  
179, 176) }
```

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