

Converting Colors

$Y_{xy}(33.2750, 0.3256, 0.3134)$

Have a look what the booklet for
Yxy(33.2750, 0.3256, 0.3134)
contains.

Yxy(33.2701, 0.3257, 0.3134)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.2701, 0.3257, 0.3134)

Conversions

Conversions Part 1

Format	Color
Hex	AD96A1
RGB	173, 150, 161
RGB Percent	68%, 59%, 63%
CMY	0.3215, 0.4118, 0.3687
CMYK	0.00, 0.13, 0.07, 0.32
HSL	331°, 12%, 63%
HSV	331°, 13%, 68%
XYZ	34.5759, 33.2701, 38.3126
YIQ	158.1310, 10.1770, 8.2970

Conversions

Conversions Part 2

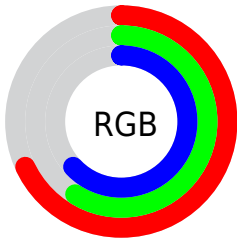
Format	Color
R_{YB}	173, 150, 161
Decimal	11376289
CIE _{Lab}	64.38, 10.47, -2.61
CIE _{LCh}	64, 10.788, 345.989
Yxy	33.2701, 0.3257, 0.3134
Android (android.graphics.Color)	4289566369 (0xFFAD96A1)
YUV	158.1310, 1.4144, 13.0401
Hunter-Lab	57.6802, 6.0596, 0.9943

Details

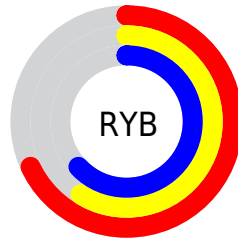
The Yxy color **33.2701, 0.3257, 0.3134** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.9896, 0.3014, 0.3451**, and the grayscale version is **34.2460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8016, 0.3233, 0.3160**, and **14.1144, 0.3299, 0.3071** is the 20% darker color. If you saturate the color by 10%, you get **27.8438, 0.3378, 0.3010**, and if you desaturate by 10%, it is **39.5377, 0.3156, 0.3252**.

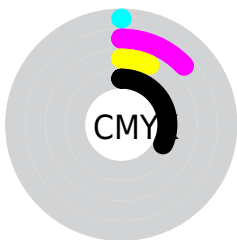
Distribution



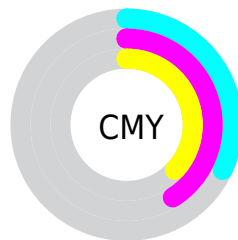
- Red (68%)
- Green (59%)
- Blue (63%)



- Red (68%)
- Yellow (59%)
- Blue (63%)



- Cyan (0%)
- Magenta (13%)
- Yellow (7%)
- Black (32%)





- Cyan (32%)
- Magenta (41%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2701, 0.3257, 0.3134 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 33.2701, 0.3257, 0.3134 by changing the saturation by 10% instead.


 33.2701, 0.3257,
0.3134


 33.2701, 0.3257,
0.3134


316.8651, 0.3189,
0.3216

 22.3334, 0.3275,
0.3112


 64.7970, 0.3231,
0.3165

 14.1021, 0.3299,
0.3084


 86.1560, 0.3222,
0.3176

 8.1917, 0.3333,
0.3044

111.7579, 0.3214,
0.3185

 4.2179, 0.3382,
0.2986

141.9872, 0.3208,
0.3193

 1.7962, 0.3463,
0.2893

177.2281, 0.3202,
0.3200

 0.4848, 0.3747,
0.2536

217.8651, 0.3197,

 0.0000, 0.0000,

0.3206

0.0000

264.2827, 0.3193,
0.3211

■ 33.2701, 0.3257,
0.3134

■ 33.2701, 0.3257,
0.3134

■ 27.8438, 0.3378,
0.3010

■ 39.5377, 0.3156,
0.3252

■ 23.2184, 0.3523,
0.2884

■ 46.6761, 0.3073,
0.3363

■ 19.3566, 0.3694,
0.2760

■ 54.7189, 0.3005,
0.3467

■ 16.2164, 0.3892,
0.2646

■ 63.6962, 0.2948,
0.3561

■ 13.7518, 0.4117,
0.2552

■ 73.6372, 0.2901,
0.3648

■ 11.9113, 0.4364,
0.2491

■ 84.5695, 0.2862,
0.3728

■ 10.6359, 0.4621,
0.2474

■ 85.8041, 0.2817,
0.3635

■ 9.8552, 0.4877,
0.2509

■ 86.3087, 0.2771,
0.3530

■ 9.5053, 0.5044,
0.2553

■ 86.8398, 0.2727,
0.3428

Harmonies

Analogous

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



33.2701, 0.3086, 0.3039



33.2701, 0.3257, 0.3134



33.2701, 0.3395, 0.3269

Triad

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



33.2701, 0.3257, 0.3134



33.2701, 0.3322, 0.3586



33.2701, 0.2806, 0.3152

Complementary

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



33.2701, 0.3257, 0.3134



38.9896, 0.3014, 0.3451

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.



33.2701, 0.2865, 0.3302



33.2701, 0.3257, 0.3134



33.2701, 0.3161, 0.3559

Square

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



33.2701, 0.3257, 0.3134



33.2701, 0.3432, 0.3531



33.2701, 0.2994, 0.3454



33.2701, 0.2829, 0.3045

Rectangle

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



33.2701, 0.3257, 0.3134



33.2701, 0.3448, 0.3367



33.2701, 0.2994, 0.3454



33.2701, 0.2817, 0.3199

Sweetspot

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



33.2716, 0.3257, 0.3134



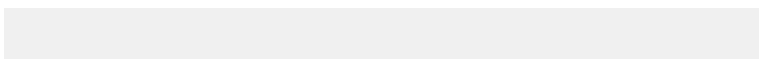
69.8803, 0.3163, 0.3244



32.5001, 0.3033, 0.2957



14.9979, 0.3170, 0.3235



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



33.2716, 0.3257, 0.3134



56.5286, 0.3291, 0.3098



33.0233, 0.3365, 0.3296



8.0766, 0.3214, 0.3182



6.9924, 0.5020, 0.2539



0.2056, 0.4335, 0.2162

Inverse Universe

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



33.2716, 0.3257, 0.3134



56.5286, 0.3291, 0.3098



39.2509, 0.2928, 0.3284



8.0766, 0.3214, 0.3182



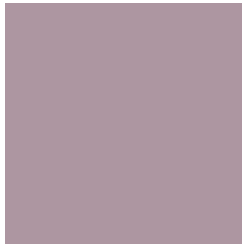
6.9924, 0.5020, 0.2539



0.2056, 0.4335, 0.2162

Previews

White Background



This preview shows how the Yxy color 33.2701, 0.3257, 0.3134 looks on a white background.

Color Contrast Check

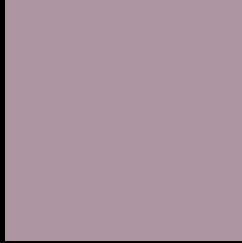
Large Text (above 18pt) WCAG AA × Fail

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 33.2701, 0.3257, 0.3134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

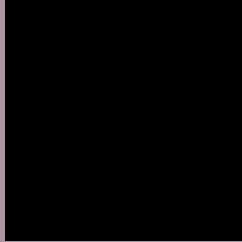
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2701, 0.3257, 0.3134

Background



This preview shows how black text looks on a background with the Yxy color 33.2701, 0.3257, 0.3134.



This preview shows how white text looks on a background with the Yxy color 33.2701, 0.3257, 0.3134.

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

33.2701, 0.3257, 0.3134

Protanopia

33.2911, 0.3065, 0.3157

Deuteranopia

33.1414, 0.3215, 0.3146



Tritanopia

33.3056, 0.3247, 0.3120

Trichromacy



Original Color

33.2701, 0.3257, 0.3134

Protanomaly

33.2133, 0.3134, 0.3144

Deuteranomaly

33.2525, 0.3225, 0.3147

Tritanomaly

33.3056, 0.3247, 0.3120

Monochromacy



Original Color

33.2701, 0.3257, 0.3134

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.7324, 0.3169, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2701, 0.3257, 0.3134 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(173, 150, 161)` looks like.

```
.text, #text, p{  
    color:rgb(173, 150, 161)  
}
```

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(173, 150, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 150, 161) }
```

Border

The CSS property to change the border of an element to Yxy 33.2701, 0.3257, 0.3134 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(173, 150, 161) }
```

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

```
.border{ border-color:rgb(173, 150, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 150, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 150, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 150, 161);  
box-shadow:4px 4px 4px 4px rgb(173, 150,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2701, 0.3257, 0.3134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 150, 161) }
```

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

```
.background{ background-color: rgb(173,  
150, 161) }
```

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