

Converting Colors

$Yxy(34.0172, 0.3144, 0.3356)$

Have a look what the booklet for
Yxy(34.0172, 0.3144, 0.3356)
contains.

Yxy(33.8547, 0.3144, 0.3350)	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(33.8547, 0.3144, 0.3350)

Conversions

Conversions Part 1

Format	Color
Hex	9C9E9A
RGB	156, 158, 154
RGB Percent	61%, 62%, 60%
CMY	0.3881, 0.3804, 0.3961
CMYK	0.01, 0.00, 0.03, 0.38
HSL	90°, 2%, 61%
HSV	90°, 3%, 62%
XYZ	31.7729, 33.8547, 35.4312
YIQ	156.9460, 0.0920, -1.6680

Conversions

Conversions Part 2

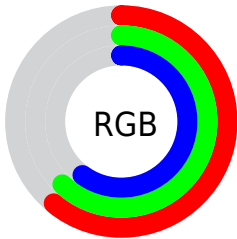
Format	Color
RYB	154, 158, 156
Decimal	10264218
CIELab	64.85, -1.47, 1.83
CIElCh	65, 2.344, 128.780
Yxy	33.8547, 0.3144, 0.3350
Android (android.graphics.Color)	4288454298 (0xFF9C9E9A)
YUV	156.9460, -1.4524, -0.8296
Hunter-Lab	58.1848, -4.3501, 4.6251

Details

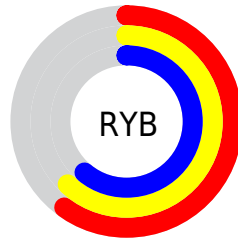
The Yxy color **33.8547, 0.3144, 0.3350** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.6450, 0.3110, 0.3230**, and the grayscale version is **33.7000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8442, 0.3139, 0.3347**, and **14.4979, 0.3151, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **32.6099, 0.3211, 0.3600**, and if you desaturate by 10%, it is **35.2218, 0.3078, 0.3121**.

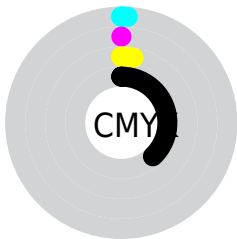
Distribution



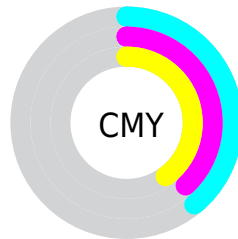
- Red (61%)
- Green (62%)
- Blue (60%)



- Red (60%)
- Yellow (62%)
- Blue (61%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (38%)



- Cyan (39%)
- Magenta (38%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8547, 0.3144, 0.3350 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 33.8547, 0.3144, 0.3350 by changing the saturation by 10% instead.

■ 33.8547, 0.3144,
0.3350

■ 33.8547, 0.3144,
0.3350

319.4837, 0.3135,
0.3318

■ 22.7820, 0.3146,
0.3359

■ 65.7077, 0.3141,
0.3338

■ 14.4326, 0.3149,
0.3370

■ 87.2567, 0.3140,
0.3334

■ 8.4222, 0.3154,
0.3386

113.0666, 0.3138,
0.3330

■ 4.3663, 0.3160,
0.3409

143.5219, 0.3138,
0.3327

■ 1.8805, 0.3170,
0.3449

179.0068, 0.3137,
0.3324

■ 0.5366, 0.3232,
0.3657

219.9058, 0.3136,

■ 0.0000, 0.0000,

0.3322

0.0000

266.6033, 0.3136,
0.3320

■ 33.8547, 0.3144,
0.3350

■ 33.8547, 0.3144,
0.3350

■ 32.6099, 0.3211,
0.3600

■ 35.2218, 0.3078,
0.3121

■ 31.4793, 0.3276,
0.3870

■ 36.7102, 0.3014,
0.2913

■ 30.4607, 0.3337,
0.4154

■ 38.3247, 0.2953,
0.2727

■ 29.5499, 0.3391,
0.4447

■ 40.0685, 0.2896,
0.2560

■ 28.7426, 0.3433,
0.4737

■ 41.9445, 0.2842,
0.2411

■ 28.0342, 0.3459,
0.5011

■ 43.9558, 0.2793,
0.2278

■ 27.4194, 0.3466,
0.5256

■ 45.4714, 0.2811,
0.2241

■ 26.8925, 0.3452,
0.5459

■ 46.6499, 0.2874,
0.2259

■ 26.4468, 0.3416,
0.5609

■ 47.8851, 0.2936,
0.2278

Harmonies

Analogous

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



33.8547, 0.3177, 0.3352



33.8547, 0.3144, 0.3350



33.8547, 0.3107, 0.3331

Triad

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



33.8547, 0.3144, 0.3350



33.8547, 0.3059, 0.3242



33.8547, 0.3179, 0.3279

Complementary

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



33.8547, 0.3144, 0.3350



32.6450, 0.3110, 0.3230

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.



33.8547, 0.3147, 0.3250



33.8547, 0.3144, 0.3350



33.8547, 0.3078, 0.3228

Square

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



33.8547, 0.3144, 0.3350



33.8547, 0.3058, 0.3269



33.8547, 0.3110, 0.3231



33.8547, 0.3197, 0.3311

Rectangle

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



33.8547, 0.3144, 0.3350



33.8547, 0.3085, 0.3312



33.8547, 0.3110, 0.3231



33.8547, 0.3169, 0.3268

Sweetspot

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



33.8562, 0.3144, 0.3350



61.8454, 0.3134, 0.3314



33.3561, 0.3165, 0.3319



13.9462, 0.3134, 0.3313



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



33.8562, 0.3144, 0.3350



61.3598, 0.3148, 0.3363



33.6625, 0.3125, 0.3350



7.7176, 0.3152, 0.3378



20.9725, 0.3388, 0.5692



0.4001, 0.3700, 0.5444

Inverse Universe

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



32.6450, 0.3110, 0.3230



58.7103, 0.3106, 0.3217



32.8417, 0.3129, 0.3230



7.3153, 0.3102, 0.3202



3.2995, 0.2032, 0.0893



0.0841, 0.2483, 0.1142

Previews

White Background



This preview shows how the Yxy color 33.8547, 0.3144, 0.3350 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 33.8547, 0.3144, 0.3350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

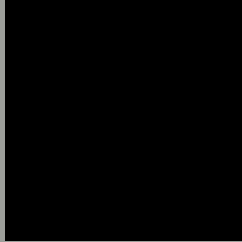
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

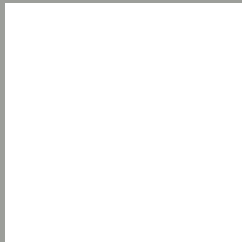
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.8547, 0.3144, 0.3350

Background



This preview shows how black text looks on a background with the Yxy color 33.8547, 0.3144, 0.3350.



This preview shows how white text looks on a background with the Yxy color 33.8547, 0.3144, 0.3350.

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

33.8547, 0.3144, 0.3350

Protanopia

33.9909, 0.3203, 0.3350

Deuteranopia

33.7073, 0.3312, 0.3248



Tritanopia

33.8732, 0.3039, 0.3114

Trichromacy



Original Color

33.8547, 0.3144, 0.3350

Protanomaly

33.7848, 0.3183, 0.3350

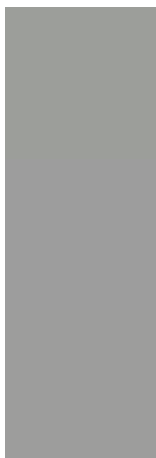
Deuteranomaly

33.6932, 0.3248, 0.3276

Tritanomaly

33.9264, 0.3073, 0.3201

Monochromacy



Original Color

33.8547, 0.3144, 0.3350

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.6823, 0.3136, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8547, 0.3144, 0.3350 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(156, 158, 154)` looks like.

```
.text, #text, p{  
    color:rgb(156, 158, 154)  
}
```

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(156, 158, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 158, 154) }
```

Border

The CSS property to change the border of an element to Yxy 33.8547, 0.3144, 0.3350 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(156, 158, 154) }
```

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

```
.border{ border-color:rgb(156, 158, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 158, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 158, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 158, 154);  
box-shadow:4px 4px 4px 4px rgb(156, 158,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8547, 0.3144, 0.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 158, 154) }
```

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

```
.background{ background-color: rgb(156,  
158, 154) }
```

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