

Converting Colors

$Y_{xy}(33.7870, 0.3163, 0.3331)$

Have a look what the booklet for
Yxy(33.7870, 0.3163, 0.3331)
contains.

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Color

Yxy(33.7161, 0.3164, 0.3335)

Conversions

Conversions Part 1

Format	Color
Hex	9E9D9A
RGB	158, 157, 154
RGB Percent	62%, 62%, 60%
CMY	0.3805, 0.3843, 0.3961
CMYK	0.00, 0.01, 0.03, 0.38
HSL	45°, 2%, 61%
HSV	45°, 3%, 62%
XYZ	31.9873, 33.7161, 35.3943
YIQ	156.9570, 1.5590, -0.7210

Conversions

Conversions Part 2

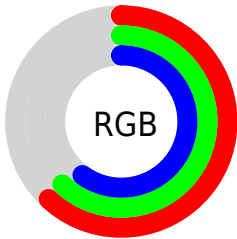
Format	Color
RYB	155, 158, 154
Decimal	10395034
CIELab	64.74, -0.21, 1.68
CIELCh	65, 1.698, 97.207
Yxy	33.7161, 0.3164, 0.3335
Android (android.graphics.Color)	4288585114 (0xFF9E9D9A)
YUV	156.9570, -1.4578, 0.9147
Hunter-Lab	58.0656, -3.2821, 4.5052

Details

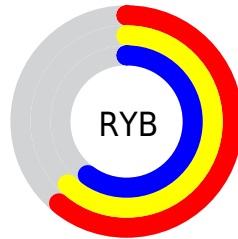
The Yxy color **33.7161, 0.3164, 0.3335** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.7719, 0.3090, 0.3245**, and the grayscale version is **33.7023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7872, 0.3162, 0.3335**, and **14.4131, 0.3180, 0.3354** is the 20% darker color. If you saturate the color by 10%, you get **31.9413, 0.3318, 0.3519**, and if you desaturate by 10%, it is **35.6043, 0.3023, 0.3160**.

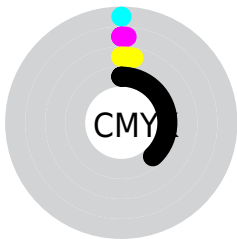
Distribution



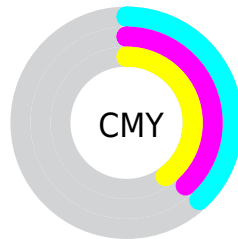
- Red (62%)
- Green (62%)
- Blue (60%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7161, 0.3164, 0.3335 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 33.7161, 0.3164, 0.3335 by changing the saturation by 10% instead.

■ 33.7161, 0.3164,
0.3335

■ 33.7161, 0.3164,
0.3335

318.8643, 0.3145,
0.3311

■ 22.6756, 0.3169,
0.3341

■ 65.4919, 0.3157,
0.3326

■ 14.3541, 0.3176,
0.3350

■ 86.9961, 0.3154,
0.3323

■ 8.3674, 0.3186,
0.3362

112.7568, 0.3152,
0.3320

■ 4.3309, 0.3200,
0.3379

143.1586, 0.3150,
0.3318

■ 1.8603, 0.3224,
0.3408

178.5859, 0.3148,
0.3316

■ 0.5244, 0.3353,
0.3565

219.4230, 0.3147,

■ 0.0000, 0.0000,

0.3314

0.0000

266.0543, 0.3146,
0.3313

■ 33.7161, 0.3164,
0.3335

■ 33.7161, 0.3164,
0.3335

■ 31.9413, 0.3318,
0.3519

■ 35.6043, 0.3023,
0.3160

■ 30.2724, 0.3484,
0.3710

■ 37.6044, 0.2894,
0.2996

■ 28.7076, 0.3660,
0.3903

■ 39.7206, 0.2778,
0.2844

■ 27.2436, 0.3842,
0.4091

■ 41.9556, 0.2674,
0.2705

■ 25.8765, 0.4025,
0.4266

■ 44.3120, 0.2581,
0.2576

■ 24.6024, 0.4202,
0.4418

■ 46.7921, 0.2497,
0.2459

■ 23.4168, 0.4365,
0.4538

■ 48.7654, 0.2471,
0.2445

■ 22.3147, 0.4507,
0.4617

■ 50.3888, 0.2478,
0.2492

■ 21.2902, 0.4622,
0.4650

■ 52.0561, 0.2485,
0.2540

Harmonies

Analogous

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



33.7161, 0.3177, 0.3324



33.7161, 0.3164, 0.3335



33.7161, 0.3141, 0.3334

Triad

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



33.7161, 0.3164, 0.3335



33.7161, 0.3078, 0.3276



33.7161, 0.3140, 0.3260

Complementary

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



33.7161, 0.3164, 0.3335



32.7719, 0.3090, 0.3245

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.



33.7161, 0.3114, 0.3247



33.7161, 0.3164, 0.3335



33.7161, 0.3077, 0.3256

Square

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



33.7161, 0.3164, 0.3335



33.7161, 0.3091, 0.3300



33.7161, 0.3091, 0.3246



33.7161, 0.3164, 0.3281

Rectangle

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



33.7161, 0.3164, 0.3335



33.7161, 0.3123, 0.3326



33.7161, 0.3091, 0.3246



33.7161, 0.3131, 0.3254

Sweetspot

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



33.7176, 0.3164, 0.3335



61.7484, 0.3142, 0.3308



32.7456, 0.3158, 0.3275



13.9256, 0.3141, 0.3307



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.



33.7176, 0.3164, 0.3335



61.0682, 0.3172, 0.3345



33.9469, 0.3153, 0.3350



7.6731, 0.3182, 0.3356



16.5377, 0.4690, 0.4658



0.3567, 0.4457, 0.4843

Inverse Universe

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



32.7719, 0.3090, 0.3245



58.9891, 0.3082, 0.3235



32.5482, 0.3101, 0.3230



7.3574, 0.3073, 0.3223



3.1700, 0.1586, 0.0907



0.1164, 0.1780, 0.1607

Previews

White Background



This preview shows how the Yxy color 33.7161, 0.3164, 0.3335 looks on a white background.

Color Contrast Check

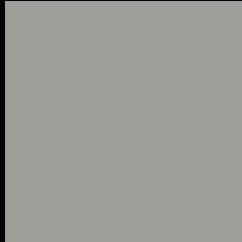
Large Text (above 18pt) WCAG AA × Fail

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 33.7161, 0.3164, 0.3335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

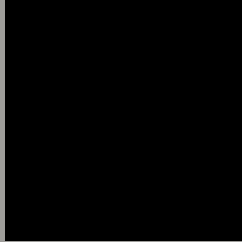
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

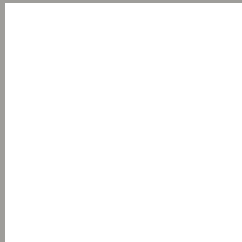
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.7161, 0.3164, 0.3335

Background



This preview shows how black text looks on a background with the Yxy color 33.7161, 0.3164, 0.3335.

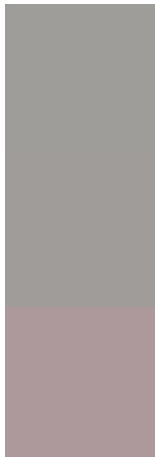


This preview shows how white text looks on a background with the Yxy color 33.7161, 0.3164, 0.3335.

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

33.7161, 0.3164, 0.3335

Protanopia

33.5836, 0.3185, 0.3320

Deuteranopia

33.7073, 0.3312, 0.3248



Tritanopia

33.7063, 0.3067, 0.3115

Trichromacy



Original Color

33.7161, 0.3164, 0.3335

Protanomaly

33.4810, 0.3175, 0.3320

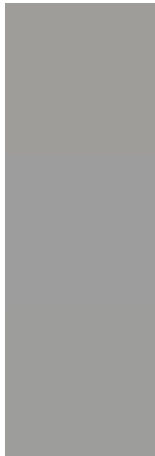
Deuteranomaly

33.8026, 0.3258, 0.3276

Tritanomaly

33.7565, 0.3102, 0.3202

Monochromacy



Original Color

33.7161, 0.3164, 0.3335

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 33.7161, 0.3164, 0.3335 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(158, 157, 154)` looks like.

```
.text, #text, p{  
    color:rgb(158, 157, 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(158, 157, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 157, 154) }
```

Border

The CSS property to change the border of an element to Yxy 33.7161, 0.3164, 0.3335 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(158, 157, 154) }
```

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

```
.border{ border-color:rgb(158, 157, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 157, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 157, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 157, 154);  
box-shadow:4px 4px 4px 4px rgb(158, 157,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7161, 0.3164, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 157, 154) }
```

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

```
.background{ background-color: rgb(158,  
157, 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](#).

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