

Converting Colors

Yxy(33.8683, 0.3160, 0.3426)

Have a look what the booklet for
Yxy(33.8683, 0.3160, 0.3426)
contains.

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Color

Yxy(33.8683, 0.3160, 0.3426)

Conversions

Conversions Part 1

Format	Color
Hex	9A9F96
RGB	154, 159, 150
RGB Percent	60%, 62%, 59%
CMY	0.3958, 0.3765, 0.4117
CMYK	0.03, 0.00, 0.06, 0.38
HSL	93°, 4%, 61%
HSV	93°, 6%, 62%
XYZ	31.2387, 33.8683, 33.7497
YIQ	156.4790, -0.0910, -3.8590

Conversions

Conversions Part 2

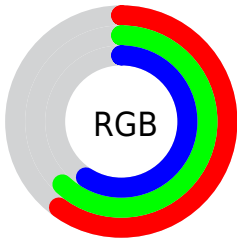
Format	Color
RYB	150, 159, 155
Decimal	10133398
CIELab	64.86, -3.47, 4.06
CIELCh	65, 5.339, 130.541
Yxy	33.8683, 0.3160, 0.3426
Android (android.graphics.Color)	4288323478 (0xFF9A9F96)
YUV	156.4790, -3.1941, -2.1741
Hunter-Lab	58.1965, -6.0286, 6.3537

Details

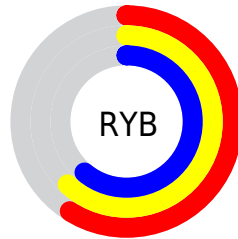
The Yxy color **33.8683, 0.3160, 0.3426** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.2818, 0.3093, 0.3154**, and the grayscale version is **33.4902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8627, 0.3151, 0.3405**, and **14.5095, 0.3173, 0.3486** is the 20% darker color. If you saturate the color by 10%, you get **32.5659, 0.3218, 0.3684**, and if you desaturate by 10%, it is **35.3054, 0.3102, 0.3190**.

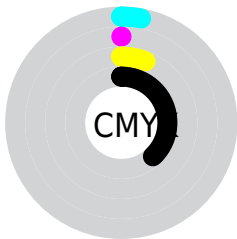
Distribution



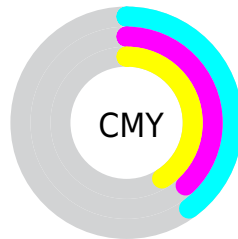
- Red (60%)
- Green (62%)
- Blue (59%)



- Red (59%)
- Yellow (62%)
- Blue (61%)



- Cyan (3%)
- Magenta (0%)
- Yellow (6%)
- Black (38%)



- Cyan (40%)
- Magenta (38%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8683, 0.3160, 0.3426 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 33.8683, 0.3160, 0.3426 by changing the saturation by 10% instead.

■ 33.8683, 0.3160,
0.3426

■ 33.8683, 0.3160,
0.3426

319.5444, 0.3143,
0.3354

■ 22.7924, 0.3164,
0.3445

■ 65.7288, 0.3154,
0.3399

■ 14.4403, 0.3170,
0.3472

■ 87.2823, 0.3151,
0.3389

■ 8.4275, 0.3178,
0.3508

113.0970, 0.3149,
0.3381

■ 4.3697, 0.3190,
0.3563

143.5575, 0.3148,
0.3374

■ 1.8825, 0.3209,
0.3655

179.0481, 0.3146,
0.3368

■ 0.5378, 0.3368,
0.4248

219.9532, 0.3145,

■ 0.0000, 0.0000,

0.3362

0.0000

266.6571, 0.3144,
0.3358

■ 33.8683, 0.3160,
0.3426

■ 33.8683, 0.3160,
0.3426

■ 32.5659, 0.3218,
0.3684

■ 35.3054, 0.3102,
0.3190

■ 31.3898, 0.3273,
0.3962

■ 36.8766, 0.3045,
0.2977

■ 30.3370, 0.3324,
0.4255

■ 38.5873, 0.2991,
0.2785

■ 29.4029, 0.3365,
0.4555

■ 40.4409, 0.2939,
0.2615

■ 28.5827, 0.3394,
0.4850

■ 42.4409, 0.2891,
0.2463

■ 27.8710, 0.3407,
0.5127

■ 44.5906, 0.2846,
0.2328

■ 27.2619, 0.3401,
0.5369

■ 46.4805, 0.2847,
0.2262

■ 26.7489, 0.3375,
0.5563

■ 47.8383, 0.2917,
0.2282

■ 26.3236, 0.3330,
0.5702

■ 49.2675, 0.2988,
0.2303

Harmonies

Analogous

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



33.8683, 0.3236, 0.3433



33.8683, 0.3160, 0.3426



33.8683, 0.3076, 0.3381

Triad

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



33.8683, 0.3160, 0.3426



33.8683, 0.2974, 0.3178



33.8683, 0.3248, 0.3268

Complementary

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



33.8683, 0.3160, 0.3426



31.2818, 0.3093, 0.3154

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.



33.8683, 0.3177, 0.3202



33.8683, 0.3160, 0.3426



33.8683, 0.3019, 0.3150

Square

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



33.8683, 0.3160, 0.3426



33.8683, 0.2970, 0.3236



33.8683, 0.3093, 0.3159



33.8683, 0.3287, 0.3340

Rectangle

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



33.8683, 0.3160, 0.3426



33.8683, 0.3027, 0.3336



33.8683, 0.3093, 0.3159



33.8683, 0.3227, 0.3244

Sweetspot

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



33.8698, 0.3160, 0.3426



61.5694, 0.3139, 0.3338



32.9475, 0.3213, 0.3362



13.8876, 0.3138, 0.3335



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.



33.8698, 0.3160, 0.3426



60.3071, 0.3169, 0.3463



33.4887, 0.3118, 0.3423



7.5959, 0.3170, 0.3470



20.6890, 0.3316, 0.5749



0.3947, 0.3639, 0.5493

Inverse Universe

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



31.2818, 0.3093, 0.3154



54.5056, 0.3083, 0.3118



31.6785, 0.3136, 0.3161



6.8390, 0.3081, 0.3111



3.6129, 0.2141, 0.0953



0.0895, 0.2568, 0.1189

Previews

White Background



This preview shows how the Yxy color 33.8683, 0.3160, 0.3426 looks on a white background.

Color Contrast Check

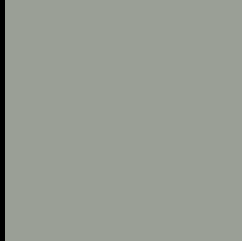
Large Text (above 18pt) WCAG AA × Fail

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 33.8683, 0.3160, 0.3426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

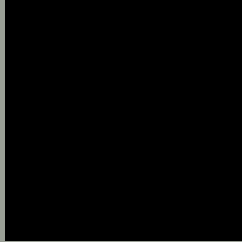
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

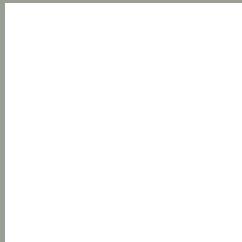
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.8683, 0.3160, 0.3426

Background



This preview shows how black text looks on a background with the Yxy color 33.8683, 0.3160, 0.3426.



This preview shows how white text looks on a background with the Yxy color 33.8683, 0.3160, 0.3426.

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

33.8683, 0.3160, 0.3426

Protanopia

33.9653, 0.3250, 0.3409

Deuteranopia

33.8048, 0.3372, 0.3305



Tritanopia

33.8096, 0.3021, 0.3099

Trichromacy



Original Color

33.8683, 0.3160, 0.3426

Protanomaly

33.9946, 0.3219, 0.3425

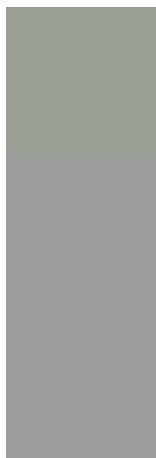
Deuteranomaly

33.8925, 0.3285, 0.3349

Tritanomaly

33.7905, 0.3073, 0.3216

Monochromacy



Original Color

33.8683, 0.3160, 0.3426

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.4156, 0.3135, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8683, 0.3160, 0.3426 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(154, 159, 150)` looks like.

```
.text, #text, p{  
    color:rgb(154, 159, 150)  
}
```

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(154, 159, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 159, 150) }
```

Border

The CSS property to change the border of an element to Yxy 33.8683, 0.3160, 0.3426 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(154, 159, 150) }
```

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

```
.border{ border-color:rgb(154, 159, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 159, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 159, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 159, 150);  
box-shadow:4px 4px 4px 4px rgb(154, 159,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8683, 0.3160, 0.3426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 159, 150) }
```

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

```
.background{ background-color: rgb(154,  
159, 150) }
```

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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