

Converting Colors

$Y_{xy}(33.0865, 0.3107, 0.3146)$

Have a look what the booklet for
Yxy(33.0865, 0.3107, 0.3146)
contains.

Yxy(32.9004, 0.3104, 0.3143)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.9004, 0.3104, 0.3143)

Conversions

Conversions Part 1

Format	Color
Hex	A099A3
RGB	160, 153, 163
RGB Percent	63%, 60%, 64%
CMY	0.3727, 0.3999, 0.3608
CMYK	0.02, 0.06, 0.00, 0.36
HSL	282°, 5%, 62%
HSV	282°, 6%, 64%
XYZ	32.4922, 32.9004, 39.2858
YIQ	156.2330, 0.9620, 4.5940

Conversions

Conversions Part 2

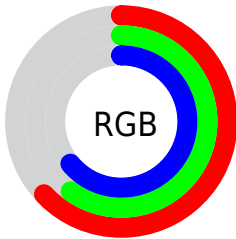
Format	Color
RYB	160, 153, 163
Decimal	10525091
CIELab	64.08, 4.44, -4.31
CIELCh	64, 6.187, 315.810
Yxy	32.9004, 0.3104, 0.3143
Android (android.graphics.Color)	4288715171 (0xFFA099A3)
YUV	156.2330, 3.3361, 3.3037
Hunter-Lab	57.3589, 0.7371, -0.4572

Details

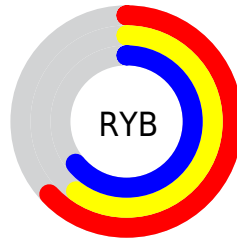
The Yxy color **32.9004, 0.3104, 0.3143** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.5673, 0.3149, 0.3439**, and the grayscale version is **33.3378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1347, 0.3110, 0.3167**, and **13.9016, 0.3108, 0.3102** is the 20% darker color. If you saturate the color by 10%, you get **27.4232, 0.3060, 0.2891**, and if you desaturate by 10%, it is **39.1298, 0.3141, 0.3380**.

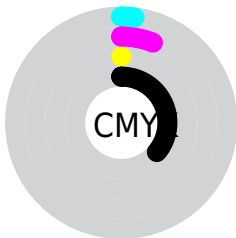
Distribution



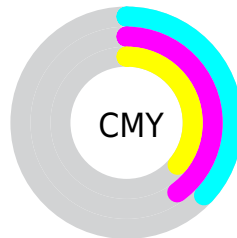
- Red (63%)
- Green (60%)
- Blue (64%)



- Red (63%)
- Yellow (60%)
- Blue (64%)



- Cyan (2%)
- Magenta (6%)
- Yellow (0%)
- Black (36%)



- Cyan (37%)
- Magenta (40%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9004, 0.3104, 0.3143 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 32.9004, 0.3104, 0.3143 by changing the saturation by 10% instead.

■ 32.9004, 0.3104,
0.3143

■ 32.9004, 0.3104,
0.3143

315.2007, 0.3117,
0.3220

■ 22.0502, 0.3101,
0.3122

■ 64.2200, 0.3109,
0.3172

■ 13.8938, 0.3096,
0.3095

■ 85.4581, 0.3111,
0.3183

■ 8.0468, 0.3089,
0.3058

110.9277, 0.3112,
0.3191

■ 4.1249, 0.3079,
0.3002

141.0131, 0.3113,
0.3199

■ 1.7437, 0.3061,
0.2911

176.0987, 0.3114,
0.3205

■ 0.4517, 0.3016,
0.2534

216.5689, 0.3115,

■ 0.0000, 0.0000,

0.3211

0.0000

262.8081, 0.3116,
0.3216

■ 32.9004, 0.3104,
0.3143

■ 32.9004, 0.3104,
0.3143

■ 27.4232, 0.3060,
0.2891

■ 39.1298, 0.3141,
0.3380

■ 22.6644, 0.3009,
0.2627

■ 46.1350, 0.3171,
0.3599

■ 18.5937, 0.2949,
0.2358

■ 53.9439, 0.3195,
0.3800

■ 15.1772, 0.2882,
0.2091

■ 62.5818, 0.3214,
0.3982

■ 12.3781, 0.2808,
0.1838

■ 72.0728, 0.3230,
0.4147

■ 10.1556, 0.2730,
0.1610

■ 82.4398, 0.3242,
0.4295

■ 8.4641, 0.2648,
0.1417

■ 85.7297, 0.3268,
0.4323

■ 7.2508, 0.2567,
0.1267

■ 86.4012, 0.3300,
0.4313

■ 6.4434, 0.2488,
0.1163

■ 87.0949, 0.3332,
0.4302

Harmonies

Analogous

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



32.9004, 0.3014, 0.3125



32.9004, 0.3104, 0.3143



32.9004, 0.3202, 0.3199

Triad

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



32.9004, 0.3104, 0.3143



32.9004, 0.3303, 0.3429



32.9004, 0.2976, 0.3299

Complementary

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



32.9004, 0.3104, 0.3143



35.5673, 0.3149, 0.3439

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.



32.9004, 0.3052, 0.3384



32.9004, 0.3104, 0.3143



32.9004, 0.3240, 0.3460

Square

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



32.9004, 0.3104, 0.3143



32.9004, 0.3318, 0.3363



32.9004, 0.3148, 0.3443



32.9004, 0.2941, 0.3213

Rectangle

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



32.9004, 0.3104, 0.3143



32.9004, 0.3258, 0.3251



32.9004, 0.3148, 0.3443



32.9004, 0.2998, 0.3329

Sweetspot

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



32.9018, 0.3104, 0.3143



63.3183, 0.3120, 0.3242



33.2551, 0.3036, 0.3188



14.2499, 0.3120, 0.3245



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



32.9018, 0.3104, 0.3143



57.8781, 0.3100, 0.3118



33.1538, 0.3151, 0.3171



7.3336, 0.3099, 0.3111



4.8251, 0.2465, 0.1132



0.1243, 0.2748, 0.1288

Inverse Universe

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



32.9770, 0.3199, 0.3245



58.0360, 0.3211, 0.3238



35.3285, 0.3104, 0.3412



7.3546, 0.3215, 0.3236



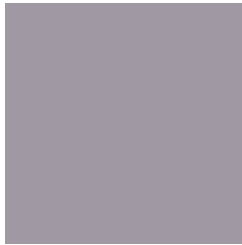
6.2356, 0.5699, 0.2913



0.1391, 0.4734, 0.2381

Previews

White Background



This preview shows how the Yxy color 32.9004, 0.3104, 0.3143 looks on a white background.

Color Contrast Check

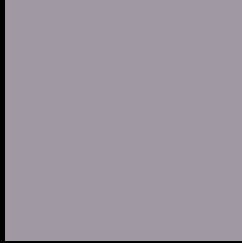
Large Text (above 18pt) WCAG AA × Fail

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 32.9004, 0.3104, 0.3143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

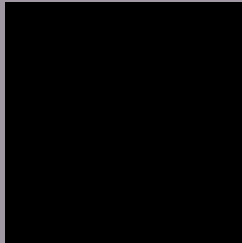
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

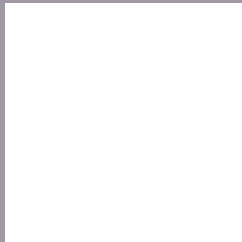
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.9004, 0.3104, 0.3143

Background



This preview shows how black text looks on a background with the Yxy color 32.9004, 0.3104, 0.3143.



This preview shows how white text looks on a background with the Yxy color 32.9004, 0.3104, 0.3143.

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

32.9004, 0.3104, 0.3143

Protanopia

32.8595, 0.3056, 0.3141

Deuteranopia

32.9931, 0.3175, 0.3117



Tritanopia

32.9727, 0.3086, 0.3114

Trichromacy



Original Color

32.9004, 0.3104, 0.3143

Protanomaly

32.9596, 0.3066, 0.3142

Deuteranomaly

32.9933, 0.3145, 0.3130

Tritanomaly

32.9364, 0.3095, 0.3128

Monochromacy



Original Color

32.9004, 0.3104, 0.3143

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.1140, 0.3110, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9004, 0.3104, 0.3143 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(160, 153, 163)` looks like.

```
.text, #text, p{  
    color:rgb(160, 153, 163)  
}
```

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(160, 153, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 153, 163) }
```

Border

The CSS property to change the border of an element to Yxy 32.9004, 0.3104, 0.3143 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(160, 153, 163) }
```

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

```
.border{ border-color:rgb(160, 153, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 153, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 153, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 153, 163);  
box-shadow:4px 4px 4px 4px rgb(160, 153,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9004, 0.3104, 0.3143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 153, 163) }
```

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

```
.background{ background-color: rgb(160,  
153, 163) }
```

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