

Converting Colors

$Y_{xy}(31.8373, 0.3012, 0.3095)$

Have a look what the booklet for
Yxy(31.8373, 0.3012, 0.3095)
contains.

Yxy(31.8485, 0.3009, 0.3094)	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(31.8485, 0.3009, 0.3094)

Conversions

Conversions Part 1

Format	Color
Hex	9898A5
RGB	152, 152, 165
RGB Percent	60%, 60%, 65%
CMY	0.4038, 0.4039, 0.3529
CMYK	0.08, 0.08, 0.00, 0.35
HSL	240°, 7%, 62%
HSV	240°, 8%, 65%
XYZ	30.9735, 31.8485, 40.1143
YIQ	153.4820, -4.1730, 4.0430

Conversions

Conversions Part 2

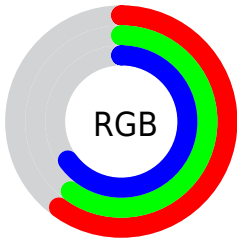
Format	Color
RYB	152, 152, 165
Decimal	10000549
CIELab	63.22, 2.62, -6.79
CIElCh	63, 7.282, 291.097
Yxy	31.8485, 0.3009, 0.3094
Android (android.graphics.Color)	4288190629 (0xFF9898A5)
YUV	153.4820, 5.6784, -1.2997
Hunter-Lab	56.4345, -0.7923, -2.6399

Details

The Yxy color **31.8485, 0.3009, 0.3094** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.1745, 0.3241, 0.3479**, and the grayscale version is **32.0551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4317, 0.3030, 0.3130**, and **13.2663, 0.2971, 0.3031** is the 20% darker color. If you saturate the color by 10%, you get **25.3822, 0.2841, 0.2816**, and if you desaturate by 10%, it is **39.2828, 0.3157, 0.3339**.

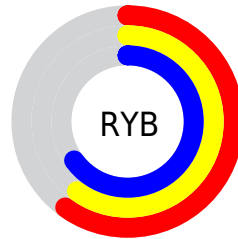
Distribution



Red (60%)

Green (60%)

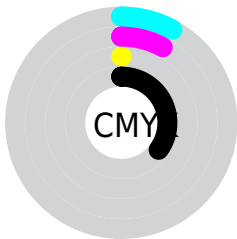
Blue (65%)



Red (60%)

Yellow (60%)

Blue (65%)

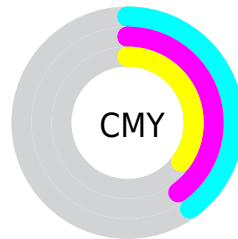


Cyan (8%)

Magenta (8%)

Yellow (0%)

Black (35%)



Cyan (40%)

Magenta (40%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8485, 0.3009, 0.3094 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 31.8485, 0.3009, 0.3094 by changing the saturation by 10% instead.

■ 31.8485, 0.3009,
0.3094

■ 31.8485, 0.3009,
0.3094

310.4285, 0.3072,
0.3198

■ 21.2458, 0.2992,
0.3066

■ 62.5735, 0.3033,
0.3133

■ 13.3038, 0.2969,
0.3029

■ 83.4646, 0.3042,
0.3147

■ 7.6381, 0.2937,
0.2978

108.5540, 0.3049,
0.3159

■ 3.8642, 0.2888,
0.2901

138.2260, 0.3055,
0.3169

■ 1.5979, 0.2807,
0.2776

172.8651, 0.3060,
0.3178

■ 0.3562, 0.2482,
0.2197

212.8556, 0.3065,

■ 0.0000, 0.0000,

0.3185

0.0000

258.5820, 0.3069,
0.3192

■ 31.8485, 0.3009,
0.3094

■ 31.8485, 0.3009,
0.3094

■ 25.3822, 0.2841,
0.2816

■ 39.2828, 0.3157,
0.3339

■ 19.8402, 0.2654,
0.2506

■ 47.7183, 0.3285,
0.3552

■ 15.1816, 0.2451,
0.2170

■ 57.1917, 0.3396,
0.3736

■ 11.3608, 0.2240,
0.1821

■ 67.7366, 0.3491,
0.3894

■ 8.3280, 0.2032,
0.1477

■ 79.3850, 0.3573,
0.4030

■ 6.0283, 0.1842,
0.1163

■ 92.1678, 0.3643,
0.4147

■ 4.3997, 0.1686,
0.0905

■ 95.4968, 0.3661,
0.4172

■ 3.3701, 0.1576,
0.0724

■ 2.8183, 0.1513,
0.0620

Harmonies

Analogous

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



31.8485, 0.2931, 0.3114



31.8485, 0.3009, 0.3094



31.8485, 0.3120, 0.3125

Triad

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



31.8485, 0.3009, 0.3094



31.8485, 0.3355, 0.3392



31.8485, 0.3019, 0.3386

Complementary

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



31.8485, 0.3009, 0.3094



37.1745, 0.3241, 0.3479

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.



31.8485, 0.3131, 0.3464



31.8485, 0.3009, 0.3094



31.8485, 0.3327, 0.3466

Square

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



31.8485, 0.3009, 0.3094



31.8485, 0.3322, 0.3294



31.8485, 0.3244, 0.3493



31.8485, 0.2936, 0.3281

Rectangle

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



31.8485, 0.3009, 0.3094



31.8485, 0.3198, 0.3169



31.8485, 0.3244, 0.3493



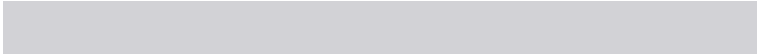
31.8485, 0.3054, 0.3416

Sweetspot

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



31.8498, 0.3009, 0.3094



64.6083, 0.3098, 0.3241



36.3038, 0.3008, 0.3290



14.1594, 0.3100, 0.3244



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.



31.8498, 0.3009, 0.3094



55.4603, 0.2989, 0.3060



32.4910, 0.3072, 0.3098



6.8610, 0.2987, 0.3058



2.0581, 0.1501, 0.0601



0.0435, 0.1508, 0.0604

Inverse Universe

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



33.1696, 0.3136, 0.3102



58.1837, 0.3138, 0.3071



36.4988, 0.3179, 0.3482



7.2018, 0.3138, 0.3069



8.0927, 0.3217, 0.1546



0.1702, 0.3214, 0.1544

Previews

White Background



This preview shows how the Yxy color 31.8485, 0.3009, 0.3094 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 31.8485, 0.3009, 0.3094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

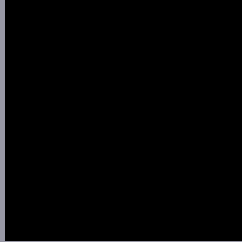
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

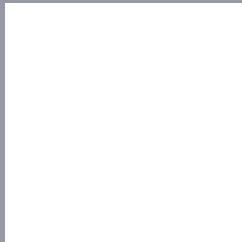
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.8485, 0.3009, 0.3094

Background



This preview shows how black text looks on a background with the Yxy color 31.8485, 0.3009, 0.3094.



This preview shows how white text looks on a background with the Yxy color 31.8485, 0.3009, 0.3094.

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

31.8485, 0.3009, 0.3094

Protanopia

31.8485, 0.3009, 0.3094

Deuteranopia

31.9294, 0.3099, 0.3041



Tritanopia

31.8122, 0.3018, 0.3109

Trichromacy



Original Color

31.8485, 0.3009, 0.3094

Protanomaly

31.8485, 0.3009, 0.3094

Deuteranomaly

31.8350, 0.3059, 0.3053

Tritanomaly

31.8122, 0.3018, 0.3109

Monochromacy



Original Color

31.8485, 0.3009, 0.3094

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.9891, 0.3090, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8485, 0.3009, 0.3094 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(152, 152, 165)` looks like.

```
.text, #text, p{  
    color:rgb(152, 152, 165)  
}
```

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(152, 152, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 152, 165) }
```

Border

The CSS property to change the border of an element to Yxy 31.8485, 0.3009, 0.3094 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(152, 152, 165) }
```

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

```
.border{ border-color:rgb(152, 152, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 152, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 152, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 152, 165);  
box-shadow:4px 4px 4px 4px rgb(152, 152,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8485, 0.3009, 0.3094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 152, 165) }
```

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

```
.background{ background-color: rgb(152,  
152, 165) }
```

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