

Converting Colors

$Y_{xy}(31.2880, 0.3138, 0.3055)$

Have a look what the booklet for
Yxy(31.2880, 0.3138, 0.3055)
contains.

Yxy(31.2983, 0.3138, 0.3055)	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(31.2983, 0.3138, 0.3055)

Conversions

Conversions Part 1

Format	Color
Hex	A393A3
RGB	163, 147, 163
RGB Percent	64%, 58%, 64%
CMY	0.3608, 0.4235, 0.3607
CMYK	0.00, 0.10, 0.00, 0.36
HSL	300°, 8%, 61%
HSV	300°, 10%, 64%
XYZ	32.1486, 31.2983, 39.0025
YIQ	153.6080, 4.4000, 8.3680

Conversions

Conversions Part 2

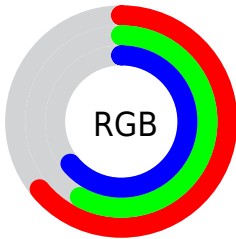
Format	Color
R_{YB}	163, 147, 163
Decimal	10720163
CIE Lab	62.76, 8.90, -6.25
CIE LCh	63, 10.871, 324.918
Yxy	31.2983, 0.3138, 0.3055
Android (android.graphics.Color)	4288910243 (0xFFA393A3)
YUV	153.6080, 4.6303, 8.2368
Hunter-Lab	55.9449, 4.6712, -2.1732

Details

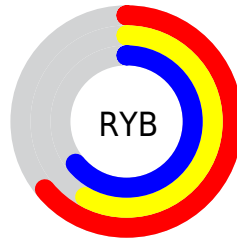
The Yxy color **31.2983, 0.3138, 0.3055** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.5107, 0.3116, 0.3537**, and the grayscale version is **32.1128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7407, 0.3136, 0.3100**, and **12.8929, 0.3142, 0.2977** is the 20% darker color. If you saturate the color by 10%, you get **26.5819, 0.3149, 0.2810**, and if you desaturate by 10%, it is **36.7359, 0.3127, 0.3294**.

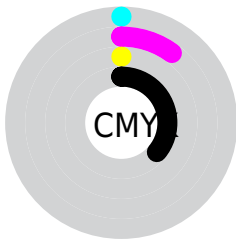
Distribution



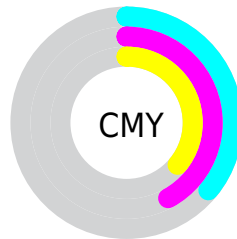
- Red (64%)
- Green (58%)
- Blue (64%)



- Red (64%)
- Yellow (58%)
- Blue (64%)



- Cyan (0%)
- Magenta (10%)
- Yellow (0%)
- Black (36%)





- Cyan (36%)
- Magenta (42%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2983, 0.3138, 0.3055 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 31.2983, 0.3138, 0.3055 by changing the saturation by 10% instead.


 31.2983, 0.3138,
0.3055


 31.2983, 0.3138,
0.3055


307.9102, 0.3133,
0.3178

 20.8261, 0.3139,
0.3022


 61.7094, 0.3136,
0.3101

 12.9969, 0.3140,
0.2979

 82.4171, 0.3136,
0.3118

 7.4264, 0.3141,
0.2918


107.3054, 0.3135,
0.3132

 3.7302, 0.3142,
0.2829

136.7588, 0.3135,
0.3144

 1.5238, 0.3142,
0.2685

171.1615, 0.3134,
0.3155

 0.3054, 0.3207,
0.1930

210.8981, 0.3134,

 0.0000, 0.0000,

0.3164

0.0000

256.3529, 0.3133,
0.3171

■ 31.2983, 0.3138,
0.3055

■ 31.2983, 0.3138,
0.3055

■ 26.5819, 0.3149,
0.2810

■ 36.7359, 0.3127,
0.3294

■ 22.5524, 0.3160,
0.2567

■ 42.9188, 0.3116,
0.3523

■ 19.1792, 0.3171,
0.2332

■ 49.8752, 0.3106,
0.3738

■ 16.4274, 0.3181,
0.2115

■ 57.6305, 0.3097,
0.3938

■ 14.2591, 0.3190,
0.1926

■ 66.2089, 0.3089,
0.4121

■ 12.6322, 0.3197,
0.1771

■ 75.6337, 0.3081,
0.4289

■ 11.4990, 0.3202,
0.1656

■ 81.9644, 0.3076,
0.4385

■ 10.8036, 0.3205,
0.1582

■ 81.9663, 0.3076,
0.4385

■ 10.4196, 0.3206,
0.1541

■ 81.9683, 0.3077,
0.4385

Harmonies

Analogous

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



31.2983, 0.2969, 0.3000



31.2983, 0.3138, 0.3055



31.2983, 0.3309, 0.3168

Triad

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



31.2983, 0.3138, 0.3055



31.2983, 0.3415, 0.3562



31.2983, 0.2831, 0.3254

Complementary

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



31.2983, 0.3138, 0.3055



34.5107, 0.3116, 0.3537

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.



31.2983, 0.2945, 0.3415



31.2983, 0.3138, 0.3055



31.2983, 0.3281, 0.3596

Square

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



31.2983, 0.3138, 0.3055



31.2983, 0.3471, 0.3457



31.2983, 0.3109, 0.3542



31.2983, 0.2795, 0.3109

Rectangle

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



31.2983, 0.3138, 0.3055



31.2983, 0.3399, 0.3263



31.2983, 0.3109, 0.3542



31.2983, 0.2862, 0.3309

Sweetspot

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



31.2997, 0.3138, 0.3055



62.4864, 0.3130, 0.3218



29.8003, 0.2978, 0.3047



13.8593, 0.3131, 0.3199



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.



31.2997, 0.3138, 0.3055



53.9007, 0.3141, 0.2997



31.0326, 0.3213, 0.3167



7.2018, 0.3137, 0.3068



8.0917, 0.3206, 0.1540



0.1701, 0.3208, 0.1541

Inverse Universe

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



30.7641, 0.3295, 0.3290



52.7263, 0.3342, 0.3290



34.7602, 0.3049, 0.3416



7.0861, 0.3285, 0.3290



6.0519, 0.6399, 0.3299



0.1272, 0.6391, 0.3295

Previews

White Background



This preview shows how the Yxy color 31.2983, 0.3138, 0.3055 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 31.2983, 0.3138, 0.3055 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 31.2983, 0.3138, 0.3055

Background



This preview shows how black text looks on a background with the Yxy color 31.2983, 0.3138, 0.3055.



This preview shows how white text looks on a background with the Yxy color 31.2983, 0.3138, 0.3055.

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

31.2983, 0.3138, 0.3055

Protanopia

31.4291, 0.2999, 0.3078

Deuteranopia

31.5055, 0.3127, 0.3069



Tritanopia

31.3644, 0.3166, 0.3127

Trichromacy



Original Color

31.2983, 0.3138, 0.3055

Protanomaly

31.4616, 0.3047, 0.3080

Deuteranomaly

31.5055, 0.3127, 0.3069

Tritanomaly

31.3993, 0.3156, 0.3113

Monochromacy



Original Color

31.2983, 0.3138, 0.3055

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.7356, 0.3131, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2983, 0.3138, 0.3055 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(163, 147, 163)` looks like.

```
.text, #text, p{  
    color:rgb(163, 147, 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(163, 147, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 147, 163) }
```

Border

The CSS property to change the border of an element to Yxy 31.2983, 0.3138, 0.3055 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(163, 147, 163) }
```

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

```
.border{ border-color:rgb(163, 147, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 147, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 147, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 147, 163);  
box-shadow:4px 4px 4px 4px rgb(163, 147,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2983, 0.3138, 0.3055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 147, 163) }
```

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

```
.background{ background-color: rgb(163,  
147, 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