

Converting Colors

$Y_{xy}(31.5223, 0.3076, 0.2877)$

Have a look what the booklet for
Yxy(31.5223, 0.3076, 0.2877)
contains.

Yxy(31.5223, 0.3076, 0.2877)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.5223, 0.3076, 0.2877)

Conversions

Conversions Part 1

Format	Color
Hex	A791AE
RGB	167, 145, 174
RGB Percent	65%, 57%, 68%
CMY	0.3450, 0.4314, 0.3177
CMYK	0.04, 0.17, 0.00, 0.32
HSL	286°, 15%, 63%
HSV	286°, 17%, 68%
XYZ	33.7027, 31.5223, 44.3416
YIQ	154.8840, 3.8030, 13.6830

Conversions

Conversions Part 2

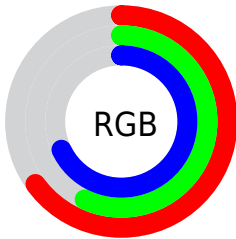
Format	Color
R _Y B	167, 145, 174
Decimal	10981806
CIE Lab	62.95, 13.61, -12.13
CIE LCh	63, 18.234, 318.296
Yxy	31.5223, 0.3076, 0.2877
Android (android.graphics.Color)	4289171886 (0xFFA791AE)
YUV	154.8840, 9.4242, 10.6257
Hunter-Lab	56.1447, 8.8971, -7.5243

Details

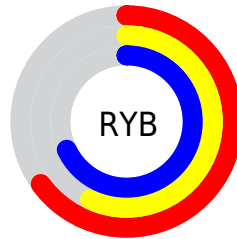
The Yxy color **31.5223, 0.3076, 0.2877** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **38.9804, 0.3169, 0.3722**, and the grayscale version is **32.6818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0336, 0.3089, 0.2962**, and **13.0554, 0.3051, 0.2731** is the 20% darker color. If you saturate the color by 10%, you get **26.1596, 0.3037, 0.2615**, and if you desaturate by 10%, it is **37.7167, 0.3109, 0.3129**.

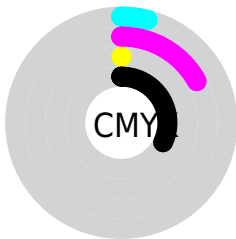
Distribution



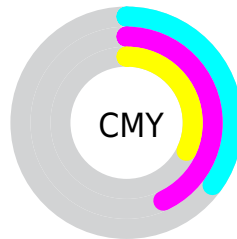
- Red (65%)
- Green (57%)
- Blue (68%)



- Red (65%)
- Yellow (57%)
- Blue (68%)



- Cyan (4%)
- Magenta (17%)
- Yellow (0%)
- Black (32%)





- Cyan (35%)
- Magenta (43%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5223, 0.3076, 0.2877 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 31.5223, 0.3076, 0.2877 by changing the saturation by 10% instead.


 31.5223, 0.3076,
0.2877


 31.5223, 0.3076,
0.2877


308.9374, 0.3106,
0.3091

 20.9969, 0.3067,
0.2821


 62.0615, 0.3088,
0.2956

 13.1217, 0.3055,
0.2748


 82.8440, 0.3092,
0.2986

 7.5124, 0.3037,
0.2649


107.8143, 0.3095,
0.3010

 3.7846, 0.3008,
0.2504

137.3569, 0.3098,
0.3031

 1.5538, 0.2955,
0.2279

171.8561, 0.3100,
0.3049

 0.3262, 0.2930,
0.1488

211.6963, 0.3102,

 0.0000, 0.0000,

0.3065

0.0000

257.2620, 0.3104,
0.3079

■ 31.5223, 0.3076,
0.2877

■ 31.5223, 0.3076,
0.2877

■ 26.1596, 0.3037,
0.2615

■ 37.7167, 0.3109,
0.3129

■ 21.5874, 0.2992,
0.2351

■ 44.7733, 0.3136,
0.3368

■ 17.7672, 0.2940,
0.2093

■ 52.7263, 0.3157,
0.3590

■ 14.6555, 0.2883,
0.1852

■ 61.6066, 0.3174,
0.3795

■ 12.2044, 0.2822,
0.1638

■ 71.4438, 0.3188,
0.3981

■ 10.3599, 0.2758,
0.1461

■ 82.2659, 0.3198,
0.4150

■ 9.0594, 0.2694,
0.1327

■ 86.3479, 0.3219,
0.4196

■ 8.2154, 0.2631,
0.1238

■ 86.9173, 0.3245,
0.4188

■ 7.9755, 0.2610,
0.1212

■ 87.5024, 0.3272,
0.4181

Harmonies

Analogous

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



31.5223, 0.2808, 0.2810



31.5223, 0.3076, 0.2877



31.5223, 0.3370, 0.3041

Triad

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



31.5223, 0.3076, 0.2877



31.5223, 0.3642, 0.3709



31.5223, 0.2669, 0.3284

Complementary

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



31.5223, 0.3076, 0.2877



38.9804, 0.3169, 0.3722

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.



31.5223, 0.2876, 0.3557



31.5223, 0.3076, 0.2877



31.5223, 0.3438, 0.3806

Square

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



31.5223, 0.3076, 0.2877



31.5223, 0.3705, 0.3509



31.5223, 0.3157, 0.3754



31.5223, 0.2582, 0.3029

Rectangle

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



31.5223, 0.3076, 0.2877



31.5223, 0.3538, 0.3188



31.5223, 0.3157, 0.3754



31.5223, 0.2727, 0.3378

Sweetspot

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



31.5237, 0.3076, 0.2877



70.3347, 0.3113, 0.3168



31.6112, 0.2866, 0.2962



15.4458, 0.3111, 0.3151



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



31.5237, 0.3076, 0.2877



53.4251, 0.3062, 0.2781



32.0276, 0.3216, 0.2984



8.0497, 0.3101, 0.3064



5.8145, 0.2617, 0.1215



0.1849, 0.2806, 0.1320

Inverse Universe

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



31.5131, 0.3365, 0.3190



53.4251, 0.3430, 0.3167



38.5591, 0.3049, 0.3617



8.0457, 0.3250, 0.3236



6.6551, 0.5923, 0.3036



0.1937, 0.5088, 0.2576

Previews

White Background



This preview shows how the Yxy color 31.5223, 0.3076, 0.2877 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 31.5223, 0.3076, 0.2877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

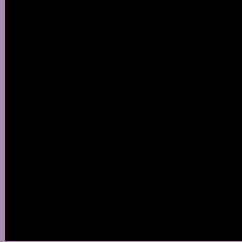
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5223, 0.3076, 0.2877

Background



This preview shows how black text looks on a background with the Yxy color 31.5223, 0.3076, 0.2877.



This preview shows how white text looks on a background with the Yxy color 31.5223, 0.3076, 0.2877.

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

31.5223, 0.3076, 0.2877

Protanopia

31.5506, 0.2850, 0.2888

Deuteranopia

31.6801, 0.2986, 0.2938



Tritanopia

31.6823, 0.3196, 0.3129

Trichromacy



Original Color

31.5223, 0.3076, 0.2877

Protanomaly

31.5392, 0.2922, 0.2879

Deuteranomaly

31.7740, 0.3025, 0.2927

Tritanomaly

31.6548, 0.3159, 0.3043

Monochromacy



Original Color

31.5223, 0.3076, 0.2877

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.1128, 0.3105, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5223, 0.3076, 0.2877 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(167, 145, 174)` looks like.

```
.text, #text, p{  
    color:rgb(167, 145, 174)  
}
```

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(167, 145, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 145, 174) }
```

Border

The CSS property to change the border of an element to Yxy 31.5223, 0.3076, 0.2877 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(167, 145, 174) }
```

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

```
.border{ border-color:rgb(167, 145, 174) }
```

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

Here you see how a box with a 4 pixel rgb(167, 145, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 145, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 145, 174);  
box-shadow:4px 4px 4px 4px rgb(167, 145,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5223, 0.3076, 0.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 145, 174) }
```

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

```
.background{ background-color: rgb(167,  
145, 174) }
```

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