

Converting Colors

$Y_{xy}(31.4553, 0.3201, 0.2991)$

Have a look what the booklet for
Yxy(31.4553, 0.3201, 0.2991)
contains.

Yxy(31.3211, 0.3204, 0.2990)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.3211, 0.3204, 0.2990)

Conversions

Conversions Part 1

Format	Color
Hex	AB90A5
RGB	171, 144, 165
RGB Percent	67%, 56%, 65%
CMY	0.3293, 0.4353, 0.3530
CMYK	0.00, 0.16, 0.04, 0.33
HSL	313°, 14%, 62%
HSV	313°, 16%, 67%
XYZ	33.5628, 31.3211, 39.8689
YIQ	154.4670, 9.3510, 12.2550

Conversions

Conversions Part 2

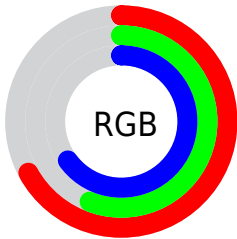
Format	Color
RYB	171, 144, 165
Decimal	11243685
CIELab	62.78, 13.85, -7.26
CIELCh	63, 15.636, 332.337
Yxy	31.3211, 0.3204, 0.2990
Android (android.graphics.Color)	4289433765 (0xFFAB90A5)
YUV	154.4670, 5.1928, 14.4994
Hunter-Lab	55.9653, 9.1087, -3.0618

Details

The Yxy color **31.3211, 0.3204, 0.2990** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.2679, 0.3059, 0.3610**, and the grayscale version is **32.5060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7242, 0.3185, 0.3049**, and **13.1196, 0.3236, 0.2909** is the 20% darker color. If you saturate the color by 10%, you get **26.3914, 0.3262, 0.2793**, and if you desaturate by 10%, it is **37.0426, 0.3153, 0.3182**.

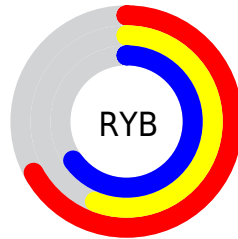
Distribution



Red (67%)

Green (56%)

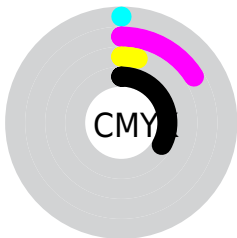
Blue (65%)



Red (67%)

Yellow (56%)

Blue (65%)

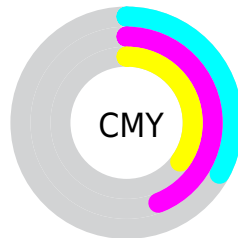


Cyan (0%)

Magenta (16%)

Yellow (4%)

Black (33%)



Cyan (33%)


Magenta (44%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3211, 0.3204, 0.2990 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 31.3211, 0.3204, 0.2990 by changing the saturation by 10% instead.


 31.3211, 0.3204,
0.2990


 31.3211, 0.3204,
0.2990


308.0149, 0.3165,
0.3146

 20.8435, 0.3214,
0.2949


 61.7453, 0.3189,
0.3048

 13.0096, 0.3227,
0.2894


 82.4606, 0.3184,
0.3070

 7.4352, 0.3245,
0.2819


107.3573, 0.3180,
0.3088

 3.7357, 0.3270,
0.2710

136.8197, 0.3176,
0.3103

 1.5269, 0.3309,
0.2534

171.2323, 0.3172,
0.3116

 0.3075, 0.3541,
0.1727

210.9794, 0.3170,

 0.0000, 0.0000,

0.3128

0.0000

256.4455, 0.3167,
0.3138

■ 31.3211, 0.3204,
0.2990

■ 31.3211, 0.3204,
0.2990

■ 26.3914, 0.3262,
0.2793

■ 37.0426, 0.3153,
0.3182

■ 22.2140, 0.3329,
0.2597

■ 43.5847, 0.3110,
0.3366

■ 18.7525, 0.3403,
0.2410

■ 50.9799, 0.3073,
0.3539

■ 15.9656, 0.3483,
0.2239

■ 59.2577, 0.3041,
0.3700

■ 13.8080, 0.3569,
0.2095

■ 68.4461, 0.3015,
0.3849

■ 12.2285, 0.3657,
0.1988

■ 78.5722, 0.2993,
0.3985

■ 11.1681, 0.3744,
0.1924

■ 83.9745, 0.2973,
0.4024

■ 10.5501, 0.3829,
0.1905

■ 84.1457, 0.2953,
0.3978

■ 10.3498, 0.3865,
0.1903

■ 84.3214, 0.2934,
0.3932

Harmonies

Analogous

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



31.3211, 0.2954, 0.2889



31.3211, 0.3204, 0.2990



31.3211, 0.3441, 0.3163

Triad

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



31.3211, 0.3204, 0.2990



31.3211, 0.3501, 0.3704



31.3211, 0.2682, 0.3178

Complementary

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



31.3211, 0.3204, 0.2990



37.2679, 0.3059, 0.3610

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.



31.3211, 0.2817, 0.3414



31.3211, 0.3204, 0.2990



31.3211, 0.3287, 0.3727

Square

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



31.3211, 0.3204, 0.2990



31.3211, 0.3615, 0.3570



31.3211, 0.3037, 0.3620



31.3211, 0.2661, 0.2987

Rectangle

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



31.3211, 0.3204, 0.2990



31.3211, 0.3556, 0.3301



31.3211, 0.3037, 0.3620



31.3211, 0.2715, 0.3255

Sweetspot

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



31.3225, 0.3204, 0.2990



67.1082, 0.3150, 0.3196



29.3566, 0.2933, 0.2882



14.7977, 0.3153, 0.3183



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



31.3225, 0.3204, 0.2990



52.8024, 0.3224, 0.2921



30.8619, 0.3339, 0.3179



8.1170, 0.3170, 0.3116



7.8077, 0.3857, 0.1898



0.2247, 0.3626, 0.1771

Inverse Universe

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



31.3225, 0.3204, 0.2990



52.8024, 0.3224, 0.2921



37.7224, 0.2952, 0.3404



8.1170, 0.3170, 0.3116



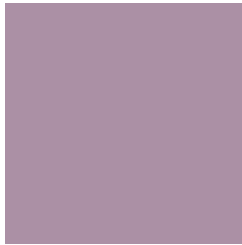
7.8077, 0.3857, 0.1898



0.2247, 0.3626, 0.1771

Previews

White Background



This preview shows how the Yxy color 31.3211, 0.3204, 0.2990 looks on a white background.

Color Contrast Check

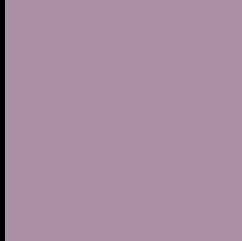
Large Text (above 18pt) WCAG AA × Fail

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 31.3211, 0.3204, 0.2990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

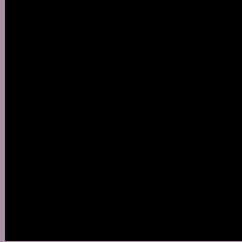
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3211, 0.3204, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 31.3211, 0.3204, 0.2990.



This preview shows how white text looks on a background with the Yxy color 31.3211, 0.3204, 0.2990.

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

31.3211, 0.3204, 0.2990

Protanopia

31.4818, 0.2954, 0.3019

Deuteranopia

31.4372, 0.3108, 0.3054



Tritanopia

31.2312, 0.3272, 0.3116

Trichromacy



Original Color

31.3211, 0.3204, 0.2990

Protanomaly

31.2761, 0.3041, 0.2995

Deuteranomaly

31.5471, 0.3149, 0.3042

Tritanomaly

31.3349, 0.3242, 0.3074

Monochromacy



Original Color

31.3211, 0.3204, 0.2990

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.7549, 0.3153, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3211, 0.3204, 0.2990 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(171, 144, 165)` looks like.

```
.text, #text, p{  
    color:rgb(171, 144, 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(171, 144, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 144, 165) }
```

Border

The CSS property to change the border of an element to Yxy 31.3211, 0.3204, 0.2990 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(171, 144, 165) }
```

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

```
.border{ border-color:rgb(171, 144, 165) }
```

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

Here you see how a box with a 4 pixel rgb(171, 144, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 144, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 144, 165);  
box-shadow:4px 4px 4px 4px rgb(171, 144,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3211, 0.3204, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 144, 165) }
```

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

```
.background{ background-color: rgb(171,  
144, 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](#).

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