

Converting Colors

$Y_{xy}(31.5710, 0.3145, 0.2909)$

Have a look what the booklet for
Yxy(31.5710, 0.3145, 0.2909)
contains.

Yxy(31.5447, 0.3145, 0.2908)	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(31.5447, 0.3145, 0.2908)

Conversions

Conversions Part 1

Format	Color
Hex	AB90AB
RGB	171, 144, 171
RGB Percent	67%, 56%, 67%
CMY	0.3295, 0.4353, 0.3294
CMYK	0.00, 0.16, 0.00, 0.33
HSL	300°, 14%, 62%
HSV	300°, 16%, 67%
XYZ	34.1156, 31.5447, 42.8153
YIQ	155.1510, 7.4250, 14.1210

Conversions

Conversions Part 2

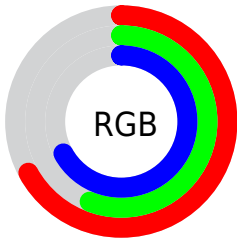
Format	Color
R_{YB}	171, 144, 171
Decimal	11243691
CIE _{Lab}	62.96, 14.97, -10.38
CIE _{LCh}	63, 18.217, 325.272
Yxy	31.5447, 0.3145, 0.2908
Android (android.graphics.Color)	4289433771 (0xFFAB90AB)
YUV	155.1510, 7.8136, 13.8996
Hunter-Lab	56.1647, 10.1364, -5.8825

Details

The Yxy color **31.5447, 0.3145, 0.2908** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **37.0685, 0.3108, 0.3704**, and the grayscale version is **32.8110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0479, 0.3141, 0.2986**, and **13.0825, 0.3151, 0.2776** is the 20% darker color. If you saturate the color by 10%, you get **26.7516, 0.3156, 0.2662**, and if you desaturate by 10%, it is **37.1251, 0.3134, 0.3152**.

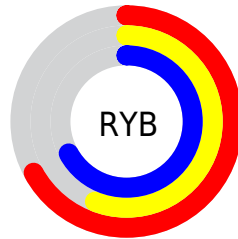
Distribution



Red (67%)

Green (56%)

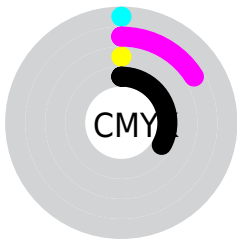
Blue (67%)



Red (67%)

Yellow (56%)

Blue (67%)

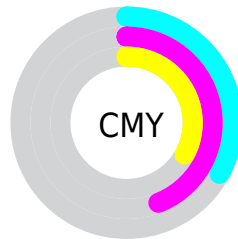


Cyan (0%)

Magenta (16%)

Yellow (0%)

Black (33%)



Cyan (33%)

Magenta (44%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5447, 0.3145, 0.2908 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 31.5447, 0.3145, 0.2908 by changing the saturation by 10% instead.


 31.5447, 0.3145,
0.2908

 31.5447, 0.3145,
0.2908


309.0400, 0.3138,
0.3106

 21.0140, 0.3146,
0.2856


 62.0966, 0.3143,
0.2982

 13.1342, 0.3147,
0.2789


 82.8866, 0.3142,
0.3009

 7.5210, 0.3147,
0.2696


107.8652, 0.3141,
0.3031

 3.7900, 0.3146,
0.2562

137.4167, 0.3140,
0.3051

 1.5568, 0.3139,
0.2351

171.9255, 0.3140,
0.3067

 0.3282, 0.3236,
0.1568

211.7761, 0.3139,

 0.0000, 0.0000,

0.3082

0.0000

257.3527, 0.3138,
0.3095

■ 31.5447, 0.3145,
0.2908

■ 31.5447, 0.3145,
0.2908

■ 26.7516, 0.3156,
0.2662

■ 37.1251, 0.3134,
0.3152

■ 22.7065, 0.3168,
0.2422

■ 43.5216, 0.3123,
0.3388

■ 19.3730, 0.3178,
0.2197

■ 50.7668, 0.3112,
0.3613

■ 16.7098, 0.3188,
0.1995

■ 58.8899, 0.3102,
0.3823

■ 14.6717, 0.3195,
0.1826

■ 67.9191, 0.3093,
0.4016

■ 13.2077, 0.3201,
0.1695

■ 77.8811, 0.3085,
0.4194

■ 12.2588, 0.3206,
0.1606

■ 83.1204, 0.3081,
0.4275

■ 11.7485, 0.3208,
0.1557

■ 83.1210, 0.3081,
0.4275

■ 11.5916, 0.3208,
0.1541

■ 83.1215, 0.3081,
0.4275

Harmonies

Analogous

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



31.5447, 0.2864, 0.2816



31.5447, 0.3145, 0.2908



31.5447, 0.3433, 0.3090

Triad

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



31.5447, 0.3145, 0.2908



31.5447, 0.3605, 0.3743



31.5447, 0.2638, 0.3220

Complementary

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



31.5447, 0.3145, 0.2908



37.0685, 0.3108, 0.3704

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.



31.5447, 0.2820, 0.3497



31.5447, 0.3145, 0.2908



31.5447, 0.3377, 0.3808

Square

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



31.5447, 0.3145, 0.2908



31.5447, 0.3704, 0.3562



31.5447, 0.3089, 0.3719



31.5447, 0.2582, 0.2980

Rectangle

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



31.5447, 0.3145, 0.2908



31.5447, 0.3585, 0.3243



31.5447, 0.3089, 0.3719



31.5447, 0.2686, 0.3313

Sweetspot

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



31.5461, 0.3145, 0.2908



67.2394, 0.3133, 0.3169



28.9564, 0.2877, 0.2883



14.8308, 0.3134, 0.3152



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.



31.5461, 0.3145, 0.2908



53.2908, 0.3149, 0.2820



31.0739, 0.3274, 0.3089



8.1480, 0.3138, 0.3067



8.7391, 0.3208, 0.1541



0.2432, 0.3209, 0.1541

Inverse Universe

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



30.6211, 0.3418, 0.3291



51.3103, 0.3499, 0.3291



37.4899, 0.3002, 0.3500



8.0154, 0.3286, 0.3290



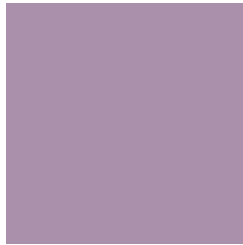
6.5269, 0.6400, 0.3299



0.1816, 0.6399, 0.3298

Previews

White Background



This preview shows how the Yxy color 31.5447, 0.3145, 0.2908 looks on a white background.

Color Contrast Check

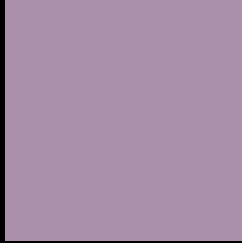
Large Text (above 18pt) WCAG AA × Fail

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 31.5447, 0.3145, 0.2908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

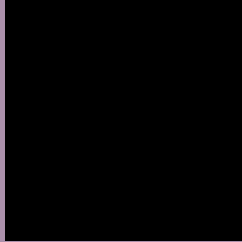
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5447, 0.3145, 0.2908

Background



This preview shows how black text looks on a background with the Yxy color 31.5447, 0.3145, 0.2908.



This preview shows how white text looks on a background with the Yxy color 31.5447, 0.3145, 0.2908.

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

31.5447, 0.3145, 0.2908

Protanopia

31.5637, 0.2876, 0.2917

Deuteranopia

31.4530, 0.3032, 0.2967



Tritanopia

31.4614, 0.3250, 0.3116

Trichromacy



Original Color

31.5447, 0.3145, 0.2908

Protanomaly

31.3037, 0.2967, 0.2908

Deuteranomaly

31.5562, 0.3072, 0.2956

Tritanomaly

31.4412, 0.3212, 0.3031

Monochromacy



Original Color

31.5447, 0.3145, 0.2908

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.2835, 0.3134, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5447, 0.3145, 0.2908 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(171, 144, 171)  
}
```

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, 171) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 31.5447, 0.3145, 0.2908 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, 171) }
```

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

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

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, 171)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 31.5447, 0.3145, 0.2908 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, 171) }
```

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

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

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