

Converting Colors

$Y_{xy}(31.4090, 0.3188, 0.2462)$

Have a look what the booklet for
Yxy(31.4090, 0.3188, 0.2462)
contains.

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Color

Yxy(31.5110, 0.3187, 0.2466)

Conversions

Conversions Part 1

Format	Color
Hex	C581C3
RGB	197, 129, 195
RGB Percent	77%, 51%, 76%
CMY	0.2274, 0.4941, 0.2354
CMYK	0.00, 0.35, 0.01, 0.23
HSL	302°, 37%, 64%
HSV	302°, 35%, 77%
XYZ	40.7241, 31.5110, 55.5468
YIQ	156.8560, 19.3420, 34.9420

Conversions

Conversions Part 2

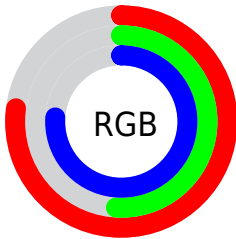
Format	Color
R_{YB}	197, 129, 195
Decimal	12943811
CIE _{Lab}	62.94, 36.70, -23.71
CIE _{LCh}	63, 43.690, 327.134
Yxy	31.5110, 0.3187, 0.2466
Android (android.graphics.Color)	4291133891 (0xFFC581C3)
YUV	156.8560, 18.8050, 35.2063
Hunter-Lab	56.1347, 31.2609, -19.3748

Details

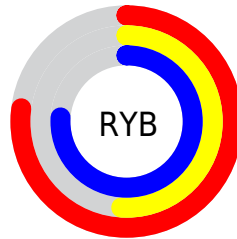
The Yxy color **31.5110, 0.3187, 0.2466** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.2417, 0.3066, 0.4280**, and the grayscale version is **33.5571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1552, 0.3183, 0.2612**, and **13.1226, 0.3191, 0.2241** is the 20% darker color. If you saturate the color by 10%, you get **26.7862, 0.3206, 0.2241**, and if you desaturate by 10%, it is **37.2393, 0.3169, 0.2704**.

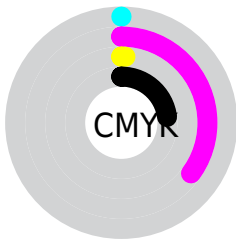
Distribution



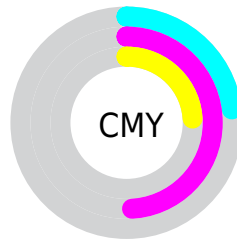
- Red (77%)
- Green (51%)
- Blue (76%)



- Red (77%)
- Yellow (51%)
- Blue (76%)



- Cyan (0%)
- Magenta (35%)
- Yellow (1%)
- Black (23%)





- Cyan (23%)
- Magenta (49%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5110, 0.3187, 0.2466 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 31.5110, 0.3187, 0.2466 by changing the saturation by 10% instead.


 31.5110, 0.3187,
0.2466


 31.5110, 0.3187,
0.2466


308.8856, 0.3167,
0.2875

 20.9883, 0.3189,
0.2366


 62.0437, 0.3182,
0.2613

 13.1154, 0.3189,
0.2238


 82.8225, 0.3179,
0.2669

 7.5081, 0.3186,
0.2072


 107.7887, 0.3177,
0.2716

 3.7818, 0.3175,
0.1846

137.3268, 0.3175,
0.2757

 1.5523, 0.3143,
0.1525

171.8211, 0.3172,
0.2792

 0.3251, 0.3132,
0.0808

211.6561, 0.3170,


 0.0000, 0.1592,


0.2823

0.0000

257.2162, 0.3168,
0.2851

 0.0000, 0.0000,
0.0000


 31.5110, 0.3187,
0.2466


 31.5110, 0.3187,
0.2466


 26.7862, 0.3206,
0.2241


 37.2393, 0.3169,
0.2704


 23.0028, 0.3224,
0.2039


 44.0198, 0.3151,
0.2946


 20.0988, 0.3241,
0.1868

 51.9034, 0.3134,
0.3185


 18.0027, 0.3256,
0.1736

 60.9363, 0.3119,
0.3415


 16.6319, 0.3269,
0.1647

 71.1621, 0.3105,
0.3633

 15.8864, 0.3280,
0.1599

 82.6220, 0.3092,
0.3836

 15.6372, 0.3286,
0.1584

 87.5187, 0.3086,
0.3908

 87.5461, 0.3082,
0.3901

 87.5737, 0.3079,
0.3894

Harmonies

Analogous

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



31.5110, 0.2538, 0.2252



31.5110, 0.3187, 0.2466



31.5110, 0.3892, 0.2851

Triad

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



31.5110, 0.3187, 0.2466



31.5110, 0.4194, 0.4328



31.5110, 0.2001, 0.3029

Complementary

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



31.5110, 0.3187, 0.2466



46.2417, 0.3066, 0.4280

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.



31.5110, 0.2361, 0.3750



31.5110, 0.3187, 0.2466



31.5110, 0.3621, 0.4566

Square

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



31.5110, 0.3187, 0.2466



31.5110, 0.4496, 0.3865



31.5110, 0.2950, 0.4371



31.5110, 0.1916, 0.2504

Rectangle

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



31.5110, 0.3187, 0.2466



31.5110, 0.4266, 0.3171



31.5110, 0.2950, 0.4371



31.5110, 0.2091, 0.3258

Sweetspot

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



31.5124, 0.3187, 0.2466



84.7467, 0.3144, 0.3051



24.4914, 0.2520, 0.2273



17.7165, 0.3146, 0.3016



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



31.5124, 0.3187, 0.2466



50.2368, 0.3200, 0.2304



30.1778, 0.3542, 0.2859



10.8109, 0.3142, 0.3069



10.2872, 0.3285, 0.1583



0.4889, 0.3268, 0.1574

Inverse Universe

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



31.5124, 0.3187, 0.2466



50.2368, 0.3200, 0.2304



47.2872, 0.2848, 0.3769



10.8109, 0.3142, 0.3069



10.2872, 0.3285, 0.1583



0.4889, 0.3268, 0.1574

Previews

White Background



This preview shows how the Yxy color 31.5110, 0.3187, 0.2466 looks on a white background.

Color Contrast Check

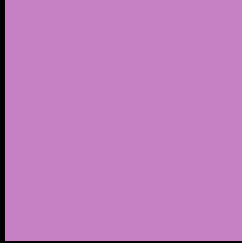
Large Text (above 18pt) WCAG AA × Fail

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 31.5110, 0.3187, 0.2466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

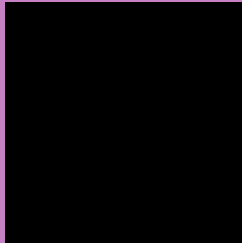
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5110, 0.3187, 0.2466

Background



This preview shows how black text looks on a background with the Yxy color 31.5110, 0.3187, 0.2466.



This preview shows how white text looks on a background with the Yxy color 31.5110, 0.3187, 0.2466.

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

31.5110, 0.3187, 0.2466

Protanopia

31.9873, 0.2507, 0.2444

Deuteranopia

31.8702, 0.2753, 0.2698



Tritanopia

31.4232, 0.3599, 0.3142

Trichromacy



Original Color

31.5110, 0.3187, 0.2466

Protanomaly

31.3218, 0.2725, 0.2443

Deuteranomaly

31.2588, 0.2904, 0.2600

Tritanomaly

31.4186, 0.3440, 0.2879

Monochromacy



Original Color

31.5110, 0.3187, 0.2466

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.5784, 0.3153, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5110, 0.3187, 0.2466 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(197, 129, 195)` looks like.

```
.text, #text, p{  
    color:rgb(197, 129, 195)  
}
```

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(197, 129, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 129, 195) }
```

Border

The CSS property to change the border of an element to Yxy 31.5110, 0.3187, 0.2466 is called "border". The border property can be set on classes, ids or directly on the HTML element.

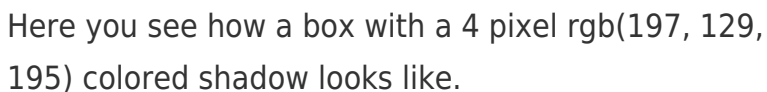
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 129, 195) }
```

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

```
.border{ border-color:rgb(197, 129, 195) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 129, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 129, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 129, 195); box-shadow:4px 4px 4px 4px rgb(197, 129, 195) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5110, 0.3187, 0.2466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 129, 195) }
```

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

```
.background{ background-color: rgb(197,  
129, 195) }
```

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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