

Converting Colors

$Y_{xy}(31.5869, 0.3187, 0.2369)$

Have a look what the booklet for
Yxy(31.5869, 0.3187, 0.2369)
contains.

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Color

Yxy(31.5808, 0.3191, 0.2371)

Conversions

Conversions Part 1

Format	Color
Hex	CB7DC9
RGB	203, 125, 201
RGB Percent	80%, 49%, 79%
CMY	0.2040, 0.5098, 0.2118
CMYK	0.00, 0.38, 0.01, 0.20
HSL	302°, 43%, 64%
HSV	302°, 38%, 80%
XYZ	42.5029, 31.5808, 59.1124
YIQ	156.9860, 22.0920, 40.1720

Conversions

Conversions Part 2

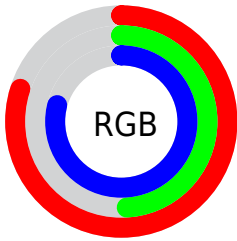
Format	Color
R _Y B	203, 125, 201
Decimal	13336009
CIE _{Lab}	62.99, 41.86, -26.96
CIE _{LCh}	63, 49.787, 327.216
Yxy	31.5808, 0.3191, 0.2371
Android (android.graphics.Color)	4291526089 (0xFFFCB7DC9)
YUV	156.9860, 21.6989, 40.3543
Hunter-Lab	56.1968, 36.6591, -23.0284

Details

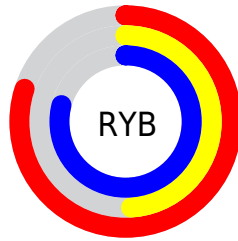
The Yxy color **31.5808, 0.3191, 0.2371** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **48.6016, 0.3060, 0.4421**, and the grayscale version is **33.6046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7202, 0.3162, 0.2546**, and **13.0747, 0.3182, 0.2114** is the 20% darker color. If you saturate the color by 10%, you get **26.9324, 0.3208, 0.2153**, and if you desaturate by 10%, it is **37.2824, 0.3174, 0.2606**.

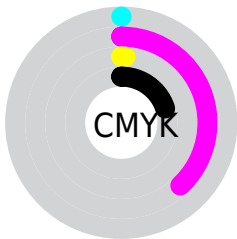
Distribution



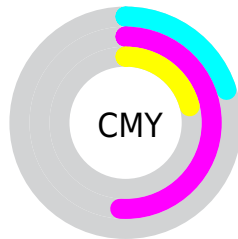
- Red (80%)
- Green (49%)
- Blue (79%)



- Red (80%)
- Yellow (49%)
- Blue (79%)



- Cyan (0%)
- Magenta (38%)
- Yellow (1%)
- Black (20%)




- Cyan (20%)
- Magenta (51%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5808, 0.3191, 0.2371 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 31.5808, 0.3191, 0.2371 by changing the saturation by 10% instead.


 31.5808, 0.3191,
0.2371


 31.5808, 0.3191,
0.2371


309.2052, 0.3172,
0.2822

 21.0415, 0.3192,
0.2262


 62.1533, 0.3187,
0.2532

 13.1543, 0.3190,
0.2125


 82.9554, 0.3184,
0.2594

 7.5349, 0.3185,
0.1948


 107.9471, 0.3182,
0.2646

 3.7988, 0.3168,
0.1711

137.5130, 0.3180,
0.2691

 1.5617, 0.3126,
0.1383

172.0373, 0.3177,
0.2730

 0.3316, 0.3085,
0.0710

211.9045, 0.3175,

 0.0000, 0.2145,

0.2764

0.0000

257.4990, 0.3173,
0.2795

0.0000, 0.0000,
0.0000

31.5808, 0.3191,
0.2371

31.5808, 0.3191,
0.2371

26.9324, 0.3208,
0.2153

37.2824, 0.3174,
0.2606

23.2685, 0.3225,
0.1962

44.0918, 0.3156,
0.2849

20.5190, 0.3240,
0.1805


52.0651, 0.3140,
0.3091


18.6028, 0.3253,
0.1689


61.2532, 0.3125,
0.3327


17.4247, 0.3264,
0.1617

71.7041, 0.3111,
0.3551

 16.8371, 0.3273,
0.1582

 83.4632, 0.3098,
0.3761

 16.7635, 0.3274,
0.1577

 88.6055, 0.3091,
0.3838

 88.6306, 0.3089,
0.3833

 88.6557, 0.3086,
0.3827

Harmonies

Analogous

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



31.5808, 0.2462, 0.2133



31.5808, 0.3191, 0.2371



31.5808, 0.3998, 0.2794

Triad

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



31.5808, 0.3191, 0.2371



31.5808, 0.4316, 0.4445



31.5808, 0.1864, 0.2979

Complementary

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



31.5808, 0.3191, 0.2371



48.6016, 0.3060, 0.4421

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.



31.5808, 0.2256, 0.3811



31.5808, 0.3191, 0.2371



31.5808, 0.3665, 0.4746

Square

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



31.5808, 0.3191, 0.2371



31.5808, 0.4673, 0.3912



31.5808, 0.2911, 0.4539



31.5808, 0.1778, 0.2395

Rectangle

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



31.5808, 0.3191, 0.2371



31.5808, 0.4425, 0.3145



31.5808, 0.2911, 0.4539



31.5808, 0.1961, 0.3239

Sweetspot

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



31.5822, 0.3191, 0.2371



81.9563, 0.3146, 0.3001



23.4404, 0.2437, 0.2135



17.1604, 0.3148, 0.2969



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.



31.5822, 0.3191, 0.2371



46.3793, 0.3205, 0.2191



29.9989, 0.3609, 0.2809



11.3986, 0.3142, 0.3067



10.6713, 0.3273, 0.1577



0.5521, 0.3260, 0.1570

Inverse Universe

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



31.5822, 0.3191, 0.2371



46.3793, 0.3205, 0.2191



49.7967, 0.2821, 0.3835



11.3986, 0.3142, 0.3067



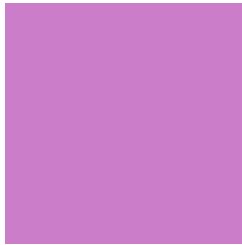
10.6713, 0.3273, 0.1577



0.5521, 0.3260, 0.1570

Previews

White Background



This preview shows how the Yxy color 31.5808, 0.3191, 0.2371 looks on a white background.

Color Contrast Check

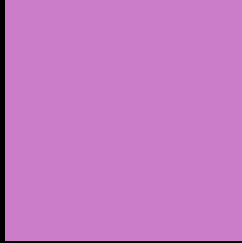
Large Text (above 18pt) WCAG AA × Fail

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 31.5808, 0.3191, 0.2371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

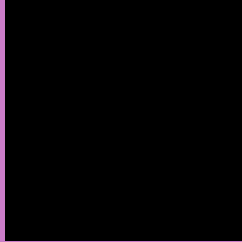
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5808, 0.3191, 0.2371

Background



This preview shows how black text looks on a background with the Yxy color 31.5808, 0.3191, 0.2371.



This preview shows how white text looks on a background with the Yxy color 31.5808, 0.3191, 0.2371.

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

31.5808, 0.3191, 0.2371

Protanopia

31.7790, 0.2408, 0.2307

Deuteranopia

31.8180, 0.2690, 0.2629



Tritanopia

31.4507, 0.3683, 0.3144

Trichromacy



Original Color

31.5808, 0.3191, 0.2371



Protanomaly

31.0729, 0.2647, 0.2312



Deuteranomaly

31.2340, 0.2852, 0.2514



Tritanomaly

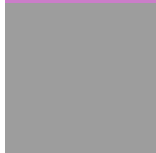
31.4347, 0.3500, 0.2837

Monochromacy



Original Color

31.5808, 0.3191, 0.2371



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

32.2666, 0.3156, 0.2899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5808, 0.3191, 0.2371 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(203, 125, 201)` looks like.

```
.text, #text, p{  
    color:rgb(203, 125, 201)  
}
```

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(203, 125, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 125, 201) }
```

Border

The CSS property to change the border of an element to Yxy 31.5808, 0.3191, 0.2371 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(203, 125, 201) }
```

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

```
.border{ border-color:rgb(203, 125, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 125, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 125, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 125, 201);  
box-shadow:4px 4px 4px 4px rgb(203, 125,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5808, 0.3191, 0.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 125, 201) }
```

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

```
.background{ background-color: rgb(203,  
125, 201) }
```

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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