

Converting Colors

$Y_{xy}(31.0241, 0.3191, 0.2393)$

Have a look what the booklet for
Yxy(31.0241, 0.3191, 0.2393)
contains.

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Color

Yxy(31.0238, 0.3190, 0.2394)

Conversions

Conversions Part 1

Format	Color
Hex	C87DC6
RGB	200, 125, 198
RGB Percent	78%, 49%, 78%
CMY	0.2158, 0.5097, 0.2236
CMYK	0.00, 0.37, 0.01, 0.22
HSL	302°, 41%, 64%
HSV	302°, 37%, 78%
XYZ	41.3391, 31.0238, 57.2269
YIQ	155.7470, 21.2670, 38.6030

Conversions

Conversions Part 2

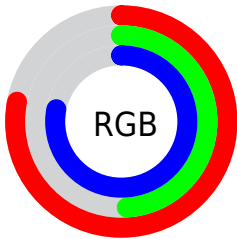
Format	Color
R_{YB}	200, 125, 198
Decimal	13139398
CIE _{Lab}	62.53, 40.35, -26.01
CIE _{LCh}	63, 48.005, 327.193
Yxy	31.0238, 0.3190, 0.2394
Android (android.graphics.Color)	4291329478 (0xFFC87DC6)
YUV	155.7470, 20.8307, 38.8099
Hunter-Lab	55.6990, 35.0073, -21.9270

Details

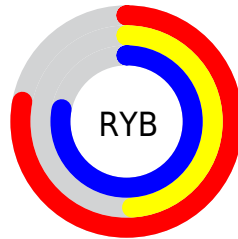
The Yxy color **31.0238, 0.3190, 0.2394** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.1903, 0.3062, 0.4386**, and the grayscale version is **33.0268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7202, 0.3162, 0.2546**, and **12.9309, 0.3195, 0.2157** is the 20% darker color. If you saturate the color by 10%, you get **26.4361, 0.3208, 0.2174**, and if you desaturate by 10%, it is **36.6336, 0.3172, 0.2630**.

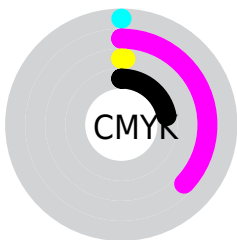
Distribution



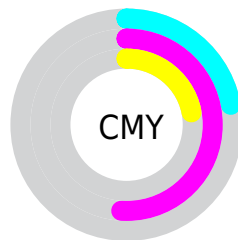
- Red (78%)
- Green (49%)
- Blue (78%)



- Red (78%)
- Yellow (49%)
- Blue (78%)



- Cyan (0%)
- Magenta (37%)
- Yellow (1%)
- Black (22%)




- Cyan (22%)
- Magenta (51%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0238, 0.3190, 0.2394 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 31.0238, 0.3190, 0.2394 by changing the saturation by 10% instead.

 31.0238, 0.3190,
0.2394


 31.0238, 0.3190,
0.2394


306.6480, 0.3170,
0.2836

 20.6170, 0.3191,
0.2287


 61.2775, 0.3186,
0.2553

 12.8443, 0.3190,
0.2151

 81.8932, 0.3183,
0.2613

 7.3214, 0.3185,
0.1974


 106.6807, 0.3181,
0.2664

 3.6639, 0.3169,
0.1736

136.0243, 0.3178,
0.2708

 1.4874, 0.3129,
0.1405

170.3084, 0.3176,
0.2746

 0.2798, 0.3108,
0.0658

209.9175, 0.3174,


 0.0000, 0.1780,

0.2780


0.0000

255.2358, 0.3172,
0.2810


 0.0000, 0.0000,
0.0000


 31.0238, 0.3190,
0.2394


 31.0238, 0.3190,
0.2394


 26.4361, 0.3208,
0.2174


 36.6336, 0.3172,
0.2630


 22.8049, 0.3224,
0.1980

 43.3178, 0.3155,
0.2872


 20.0634, 0.3240,
0.1820


 51.1300, 0.3139,
0.3114

 18.1344, 0.3254,
0.1700


 60.1190, 0.3123,
0.3348

 16.9278, 0.3265,
0.1623

 70.3309, 0.3109,
0.3571

 16.3164, 0.3275,
0.1586

 81.8092, 0.3097,
0.3779

 16.2010, 0.3277,
0.1579

 88.0455, 0.3089,
0.3875

 88.0706, 0.3086,
0.3869

 88.0958, 0.3083,
0.3863

Harmonies

Analogous

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



31.0238, 0.2481, 0.2162



31.0238, 0.3190, 0.2394



31.0238, 0.3972, 0.2808

Triad

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



31.0238, 0.3190, 0.2394



31.0238, 0.4287, 0.4417



31.0238, 0.1897, 0.2992

Complementary

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



31.0238, 0.3190, 0.2394



47.1903, 0.3062, 0.4386

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.



31.0238, 0.2282, 0.3796



31.0238, 0.3190, 0.2394



31.0238, 0.3655, 0.4702

Square

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



31.0238, 0.3190, 0.2394



31.0238, 0.4630, 0.3901



31.0238, 0.2921, 0.4497



31.0238, 0.1811, 0.2422

Rectangle

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



31.0238, 0.3190, 0.2394



31.0238, 0.4386, 0.3152



31.0238, 0.2921, 0.4497



31.0238, 0.1992, 0.3244

Sweetspot

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



31.0252, 0.3190, 0.2394



83.3430, 0.3145, 0.3025



23.2981, 0.2458, 0.2169



17.4369, 0.3147, 0.2992



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.



31.0252, 0.3190, 0.2394



47.1150, 0.3204, 0.2213



29.5306, 0.3592, 0.2821



10.8116, 0.3142, 0.3068



10.3065, 0.3276, 0.1578



0.4896, 0.3261, 0.1570

Inverse Universe

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



31.0252, 0.3190, 0.2394



47.1150, 0.3204, 0.2213



48.3289, 0.2828, 0.3819



10.8116, 0.3142, 0.3068



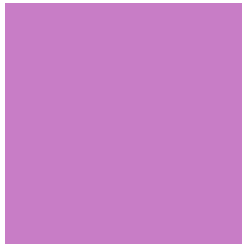
10.3065, 0.3276, 0.1578



0.4896, 0.3261, 0.1570

Previews

White Background



This preview shows how the Yxy color 31.0238, 0.3190, 0.2394 looks on a white background.

Color Contrast Check

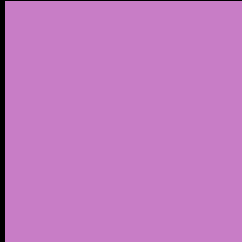
Large Text (above 18pt) WCAG AA × Fail

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 31.0238, 0.3190, 0.2394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

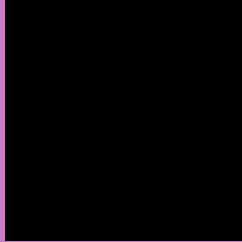
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0238, 0.3190, 0.2394

Background



This preview shows how black text looks on a background with the Yxy color 31.0238, 0.3190, 0.2394.



This preview shows how white text looks on a background with the Yxy color 31.0238, 0.3190, 0.2394.

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

31.0238, 0.3190, 0.2394

Protanopia

31.2505, 0.2429, 0.2337

Deuteranopia

31.3192, 0.2695, 0.2638



Tritanopia

31.0211, 0.3661, 0.3156

Trichromacy



Original Color

31.0238, 0.3190, 0.2394

Protanomaly

30.3779, 0.2658, 0.2338

Deuteranomaly

30.5888, 0.2858, 0.2531

Tritanomaly

30.9549, 0.3490, 0.2857

Monochromacy



Original Color

31.0238, 0.3190, 0.2394

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

31.9617, 0.3155, 0.2923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0238, 0.3190, 0.2394 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(200, 125, 198)` looks like.

```
.text, #text, p{  
    color:rgb(200, 125, 198)  
}
```

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(200, 125, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 125, 198) }
```

Border

The CSS property to change the border of an element to Yxy 31.0238, 0.3190, 0.2394 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(200, 125, 198) }
```

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

```
.border{ border-color:rgb(200, 125, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 125, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 125, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 125, 198);  
box-shadow:4px 4px 4px 4px rgb(200, 125,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0238, 0.3190, 0.2394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 125, 198) }
```

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

```
.background{ background-color: rgb(200,  
125, 198) }
```

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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