

Converting Colors

$Y_{xy}(31.7856, 0.3694, 0.2899)$

Have a look what the booklet for
Yxy(31.7856, 0.3694, 0.2899)
contains.

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Color

Yxy(31.7939, 0.3696, 0.2902)

Conversions

Conversions Part 1

Format	Color
Hex	D181A0
RGB	209, 129, 160
RGB Percent	82%, 51%, 63%
CMY	0.1804, 0.4941, 0.3724
CMYK	0.00, 0.38, 0.23, 0.18
HSL	337°, 47%, 66%
HSV	337°, 38%, 82%
XYZ	40.4929, 31.7939, 37.2718
YIQ	156.4540, 37.7290, 26.6010

Conversions

Conversions Part 2

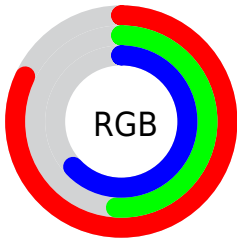
Format	Color
R _Y B	209, 129, 160
Decimal	13730208
CIE Lab	63.17, 34.97, -3.40
CIE LCh	63, 35.133, 354.443
Yxy	31.7939, 0.3696, 0.2902
Android (android.graphics.Color)	4291920288 (0xFFD181A0)
YUV	156.4540, 1.7482, 46.0828
Hunter-Lab	56.3861, 29.5116, 0.2789

Details

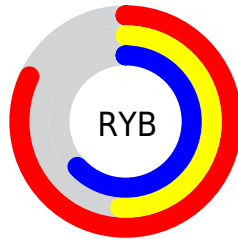
The Yxy color **31.7939, 0.3696, 0.2902** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **53.4844, 0.2776, 0.3722**, and the grayscale version is **33.4398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0333, 0.3476, 0.2963**, and **13.3252, 0.3879, 0.2776** is the 20% darker color. If you saturate the color by 10%, you get **26.4159, 0.3922, 0.2804**, and if you desaturate by 10%, it is **38.3471, 0.3505, 0.3006**.

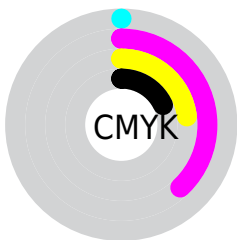
Distribution



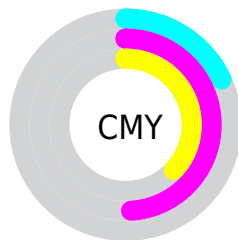
- Red (82%)
- Green (51%)
- Blue (63%)



- Red (82%)
- Yellow (51%)
- Blue (63%)



- Cyan (0%)
- Magenta (38%)
- Yellow (23%)
- Black (18%)




- Cyan (18%)
- Magenta (49%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7939, 0.3696, 0.2902 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 31.7939, 0.3696, 0.2902 by changing the saturation by 10% instead.


 31.7939, 0.3696,
0.2902


 31.7939, 0.3696,
0.2902


310.1793, 0.3396,
0.3104

 21.2041, 0.3776,
0.2849


 62.4878, 0.3583,
0.2978

 13.2733, 0.3883,
0.2779


 83.3608, 0.3542,
0.3005

 7.6170, 0.4031,
0.2682


 108.4303, 0.3507,
0.3029

 3.8509, 0.4250,
0.2542

138.0807, 0.3478,
0.3048

 1.5905, 0.4605,
0.2320

172.6964, 0.3453,
0.3065

 0.3512, 0.5601,
0.1590

212.6618, 0.3432,

 0.0000, 1.0000,

0.3080

0.0000

258.3613, 0.3413,
0.3093

0.0000, 0.0000,
0.0000

31.7939, 0.3696,
0.2902

31.7939, 0.3696,
0.2902

26.4159, 0.3922,
0.2804

38.3471, 0.3505,
0.3006

22.1381, 0.4184,
0.2720

46.1355, 0.3347,
0.3111

18.8837, 0.4478,
0.2663

55.2205, 0.3217,
0.3211

16.5642, 0.4792,
0.2646


65.6580, 0.3110,
0.3306

15.0755, 0.5106,
0.2678

77.5006, 0.3023,
0.3394

 14.2627, 0.5399,
0.2759

 90.7982, 0.2951,
0.3474

 14.1511, 0.5448,
0.2775

 91.9528, 0.2883,
0.3345

 92.2962, 0.2855,
0.3289

Harmonies

Analogous

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



31.7939, 0.3131, 0.2588



31.7939, 0.3696, 0.2902



31.7939, 0.4117, 0.3311

Triad

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



31.7939, 0.3696, 0.2902



31.7939, 0.3591, 0.4305



31.7939, 0.2125, 0.2691

Complementary

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



31.7939, 0.3696, 0.2902



53.4844, 0.2776, 0.3722

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.



31.7939, 0.2223, 0.3142



31.7939, 0.3696, 0.2902



31.7939, 0.3046, 0.4166

Square

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



31.7939, 0.3696, 0.2902



31.7939, 0.4034, 0.4120



31.7939, 0.2548, 0.3708



31.7939, 0.2260, 0.2451

Rectangle

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



31.7939, 0.3696, 0.2902



31.7939, 0.4236, 0.3603



31.7939, 0.2548, 0.3708



31.7939, 0.2132, 0.2820

Sweetspot

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



31.7954, 0.3696, 0.2902



82.3338, 0.3252, 0.3183



29.6515, 0.2857, 0.2260



17.1957, 0.3269, 0.3170



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.



31.7954, 0.3696, 0.2902



42.7778, 0.3880, 0.2820



33.0324, 0.4029, 0.3394



11.8831, 0.3231, 0.3200



8.7426, 0.5411, 0.2754



0.5042, 0.4918, 0.2483

Inverse Universe

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



31.7954, 0.3696, 0.2902



42.7778, 0.3880, 0.2820



51.0466, 0.2583, 0.3181



11.8831, 0.3231, 0.3200



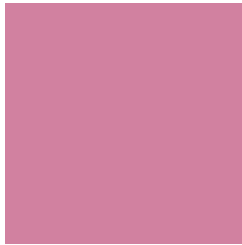
8.7426, 0.5411, 0.2754



0.5042, 0.4918, 0.2483

Previews

White Background



This preview shows how the Yxy color 31.7939, 0.3696, 0.2902 looks on a white background.

Color Contrast Check

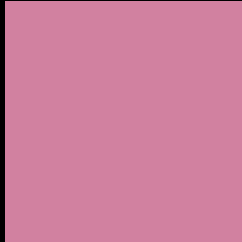
Large Text (above 18pt) WCAG AA × Fail

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 31.7939, 0.3696, 0.2902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

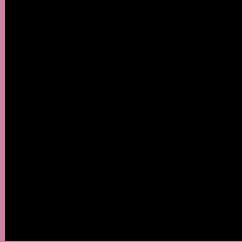
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7939, 0.3696, 0.2902

Background



This preview shows how black text looks on a background with the Yxy color 31.7939, 0.3696, 0.2902.



This preview shows how white text looks on a background with the Yxy color 31.7939, 0.3696, 0.2902.

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

31.7939, 0.3696, 0.2902

Protanopia

31.9965, 0.2912, 0.2962

Deuteranopia

32.1447, 0.3235, 0.3174



Tritanopia

31.7209, 0.3877, 0.3164

Trichromacy



Original Color

31.7939, 0.3696, 0.2902

Protanomaly

31.4690, 0.3164, 0.2935

Deuteranomaly

31.7597, 0.3394, 0.3068

Tritanomaly

31.8124, 0.3809, 0.3063

Monochromacy



Original Color

31.7939, 0.3696, 0.2902

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.1060, 0.3323, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7939, 0.3696, 0.2902 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(209, 129, 160)` looks like.

```
.text, #text, p{  
    color:rgb(209, 129, 160)  
}
```

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(209, 129, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 129, 160) }
```

Border

The CSS property to change the border of an element to Yxy 31.7939, 0.3696, 0.2902 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(209, 129, 160) }
```

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

```
.border{ border-color:rgb(209, 129, 160) }
```

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

Here you see how a box with a 4 pixel rgb(209, 129, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 129, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 129, 160);  
box-shadow:4px 4px 4px 4px rgb(209, 129,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7939, 0.3696, 0.2902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 129, 160) }
```

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

```
.background{ background-color: rgb(209,  
129, 160) }
```

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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