

Converting Colors

$Y_{xy}(23.7067, 0.3104, 0.1875)$

Have a look what the booklet for
Yxy(23.7067, 0.3104, 0.1875)
contains.

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Color

Yxy(23.7067, 0.3104, 0.1875)

Conversions

Conversions Part 1

Format	Color
Hex	CA55D2
RGB	202, 85, 210
RGB Percent	79%, 33%, 82%
CMY	0.2077, 0.6668, 0.1764
CMYK	0.04, 0.60, 0.00, 0.18
HSL	296°, 58%, 58%
HSV	296°, 60%, 82%
XYZ	39.2457, 23.7067, 63.4834
YIQ	134.2330, 29.6070, 63.6790

Conversions

Conversions Part 2

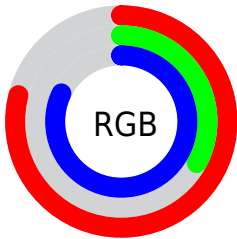
Format	Color
R _Y B	202, 85, 210
Decimal	13260242
CIE Lab	55.79, 62.87, -43.30
CIE LCh	56, 76.340, 325.444
Yxy	23.7067, 0.3104, 0.1875
Android (android.graphics.Color)	4291450322 (0xFFCA55D2)
YUV	134.2330, 37.3531, 59.4317
Hunter-Lab	48.6895, 58.6713, -43.2220

Details

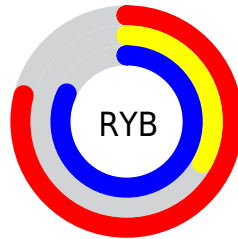
The Yxy color **23.7067, 0.3104, 0.1875** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **49.0756, 0.3080, 0.5177**, and the grayscale version is **23.7802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5298, 0.3179, 0.2195**, and **8.9226, 0.3049, 0.1523** is the 20% darker color. If you saturate the color by 10%, you get **20.6926, 0.3093, 0.1708**, and if you desaturate by 10%, it is **27.7053, 0.3113, 0.2078**.

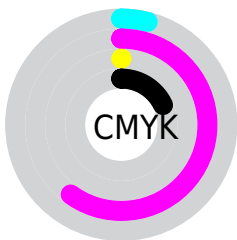
Distribution



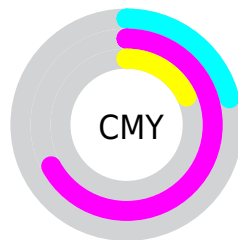
- Red (79%)
- Green (33%)
- Blue (82%)



- Red (79%)
- Yellow (33%)
- Blue (82%)



- Cyan (4%)
- Magenta (60%)
- Yellow (0%)
- Black (18%)




- Cyan (21%)
- Magenta (67%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7067, 0.3104, 0.1875 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 23.7067, 0.3104, 0.1875 by changing the saturation by 10% instead.


 23.7067, 0.3104,
0.1875


 23.7067, 0.3104,
0.1875


271.3343, 0.3149,
0.2558


 15.1162, 0.3082,
0.1717


 49.5512, 0.3128,
0.2115

 8.9010, 0.3047,
0.1523

 67.5739, 0.3135,
0.2207

 4.6766, 0.2991,
0.1282


 89.5095, 0.3140,
0.2287

 2.0588, 0.2894,
0.0981

 115.7423, 0.3143,
0.2356

 0.6413, 0.2721,
0.0595

146.6569, 0.3146,
0.2416

 0.0000, 0.2417,
0.0000


182.6374, 0.3147,


 0.0000, 0.0285,


0.2469

0.0000


224.0684, 0.3149,
0.2516


 0.0000, 0.0000,
0.0000

 23.7067, 0.3104,
0.1875

 23.7067, 0.3104,
0.1875


 20.6926, 0.3093,
0.1708


 27.7053, 0.3113,
0.2078


 18.5702, 0.3080,
0.1582

 32.7640, 0.3120,
0.2307


 17.2345, 0.3065,
0.1500

 38.9548, 0.3125,
0.2552

 16.5016, 0.3049,
0.1455

 46.3422, 0.3127,
0.2805

 16.4722, 0.3048,
0.1453

 54.9861, 0.3128,
0.3057

■ 64.9423, 0.3127,
0.3301

■ 76.2632, 0.3125,
0.3533

■ 88.9984, 0.3123,
0.3749

■ 90.4822, 0.3130,
0.3768

Harmonies

Analogous

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



23.7067, 0.2011, 0.1564



23.7067, 0.3104, 0.1875



23.7067, 0.4489, 0.2442

Triad

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



23.7067, 0.3104, 0.1875



23.7067, 0.4868, 0.4832



23.7067, 0.1223, 0.2740

Complementary

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



23.7067, 0.3104, 0.1875



49.0756, 0.3080, 0.5177

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.



23.7067, 0.1739, 0.4266



23.7067, 0.3104, 0.1875



23.7067, 0.3829, 0.5637

Square

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



23.7067, 0.3104, 0.1875



23.7067, 0.5548, 0.3941



23.7067, 0.2701, 0.5618



23.7067, 0.1133, 0.1873

Rectangle

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



23.7067, 0.3104, 0.1875



23.7067, 0.5243, 0.2909



23.7067, 0.2701, 0.5618



23.7067, 0.1341, 0.3186

Sweetspot

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



23.7078, 0.3104, 0.1875



73.5793, 0.3127, 0.2839



14.4667, 0.2001, 0.1499



14.9683, 0.3127, 0.2764



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.



23.7078, 0.3104, 0.1875



31.2472, 0.3090, 0.1676



22.5898, 0.3882, 0.2449



11.9691, 0.3128, 0.3060



10.0640, 0.3051, 0.1454



0.5746, 0.3082, 0.1471

Inverse Universe

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



20.9847, 0.4855, 0.3204



26.8146, 0.5421, 0.3206



49.8946, 0.2764, 0.4384



11.8203, 0.3281, 0.3276



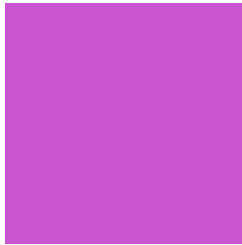
8.3813, 0.6326, 0.3259



0.4730, 0.6093, 0.3130

Previews

White Background



This preview shows how the Yxy color 23.7067, 0.3104, 0.1875 looks on a white background.

Color Contrast Check

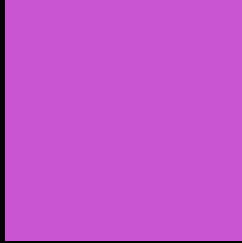
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7067, 0.3104, 0.1875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

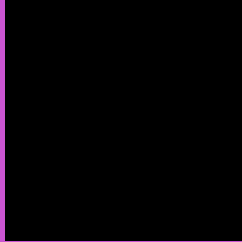
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7067, 0.3104, 0.1875

Background



This preview shows how black text looks on a background with the Yxy color 23.7067, 0.3104, 0.1875.



This preview shows how white text looks on a background with the Yxy color 23.7067, 0.3104, 0.1875.

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

23.7067, 0.3104, 0.1875

Protanopia

24.2587, 0.1898, 0.1644

Deuteranopia

23.9229, 0.2287, 0.2220



Tritanopia

23.5601, 0.4088, 0.3169

Trichromacy



Original Color

23.7067, 0.3104, 0.1875



Protanomaly

21.9310, 0.2147, 0.1644



Deuteranomaly

22.3875, 0.2517, 0.2019



Tritanomaly

23.1765, 0.3711, 0.2620

Monochromacy



Original Color

23.7067, 0.3104, 0.1875



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

22.4703, 0.3124, 0.2594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7067, 0.3104, 0.1875 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(202, 85, 210)` looks like.

```
.text, #text, p{  
    color:rgb(202, 85, 210)  
}
```

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(202, 85, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 85, 210) }
```

Border

The CSS property to change the border of an element to Yxy 23.7067, 0.3104, 0.1875 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(202, 85, 210) }
```

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

```
.border{ border-color:rgb(202, 85, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 85, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 85, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 85, 210);  
box-shadow:4px 4px 4px 4px rgb(202, 85,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7067, 0.3104, 0.1875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 85, 210) }
```

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

```
.background{ background-color: rgb(202, 85,  
210) }
```

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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