

Converting Colors

$Y_{xy}(22.9471, 0.3231, 0.1774)$

Have a look what the booklet for
Yxy(22.9471, 0.3231, 0.1774)
contains.

Yxy(22.9811, 0.3233, 0.1777)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.9811, 0.3233, 0.1777)

Conversions

Conversions Part 1

Format	Color
Hex	D741D4
RGB	215, 65, 212
RGB Percent	84%, 25%, 83%
CMY	0.1567, 0.7454, 0.1685
CMYK	0.00, 0.70, 0.01, 0.16
HSL	301°, 65%, 55%
HSV	301°, 70%, 84%
XYZ	41.8109, 22.9811, 64.5333
YIQ	126.6080, 42.2130, 77.5170

Conversions

Conversions Part 2

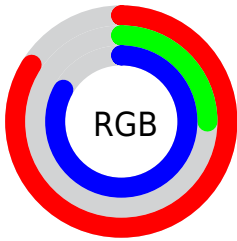
Format	Color
R _{YB}	215, 65, 212
Decimal	14107092
CIE Lab	55.05, 74.00, -45.49
CIE LCh	55, 86.868, 328.419
Yxy	22.9811, 0.3233, 0.1777
Android (android.graphics.Color)	4292297172 (0xFFD741D4)
YUV	126.6080, 42.0983, 77.5198
Hunter-Lab	47.9386, 71.7907, -46.2571

Details

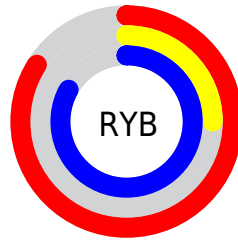
The Yxy color **22.9811, 0.3233, 0.1777** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **50.1645, 0.3012, 0.5489**, and the grayscale version is **20.9168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1472, 0.3185, 0.2063**, and **9.5022, 0.3194, 0.1533** is the 20% darker color. If you saturate the color by 10%, you get **20.9464, 0.3244, 0.1668**, and if you desaturate by 10%, it is **25.9570, 0.3220, 0.1928**.

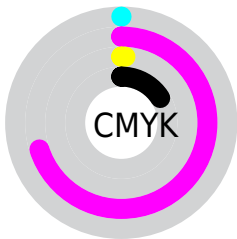
Distribution



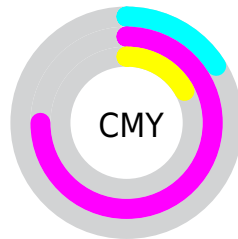
- Red (84%)
- Green (25%)
- Blue (83%)



- Red (84%)
- Yellow (25%)
- Blue (83%)



- Cyan (0%)
- Magenta (70%)
- Yellow (1%)
- Black (16%)





- Cyan (16%)
- Magenta (75%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9811, 0.3233, 0.1777 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 22.9811, 0.3233, 0.1777 by changing the saturation by 10% instead.


 22.9811, 0.3233,
0.1777


 22.9811, 0.3233,
0.1777


267.6279, 0.3216,
0.2497


 14.5796, 0.3225,
0.1614


 48.3623, 0.3236,
0.2028

 8.5248, 0.3209,
0.1415


 66.1107, 0.3234,
0.2125

 4.4326, 0.3175,
0.1171


 87.7436, 0.3232,
0.2209

 1.9184, 0.3108,
0.0873

 113.6452, 0.3229,
0.2282

 0.5594, 0.2981,
0.0490

 144.2001, 0.3226,
0.2346

 0.0000, 0.2721,
0.0000

179.7926, 0.3223,


 0.0000, 0.1396,


0.2402


0.0000


220.8070, 0.3219,
0.2452

 0.0000, 0.0000,
0.0000

 22.9811, 0.3233,
0.1777


 22.9811, 0.3233,
0.1777

 20.9464, 0.3244,
0.1668


 25.9570, 0.3220,
0.1928


 19.7364, 0.3253,
0.1601

 29.9664, 0.3205,
0.2116


 19.1528, 0.3260,
0.1570


 35.0942, 0.3189,
0.2332

 19.1432, 0.3261,
0.1570


 41.4156, 0.3173,
0.2566

 48.9994, 0.3157,
0.2811

 57.9091, 0.3142,
0.3055

 68.2039, 0.3127,
0.3295

 79.9394, 0.3113,
0.3523

 90.9286, 0.3102,
0.3703

Harmonies

Analogous

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



22.9811, 0.1971, 0.1418



22.9811, 0.3233, 0.1777



22.9811, 0.4827, 0.2402

Triad

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



22.9811, 0.3233, 0.1777



22.9811, 0.4871, 0.5006



22.9811, 0.1003, 0.2496

Complementary

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



22.9811, 0.3233, 0.1777



50.1645, 0.3012, 0.5489

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.



22.9811, 0.1471, 0.4209



22.9811, 0.3233, 0.1777



22.9811, 0.3677, 0.5976

Square

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



22.9811, 0.3233, 0.1777



22.9811, 0.5743, 0.3988



22.9811, 0.2460, 0.5935



22.9811, 0.0965, 0.1645

Rectangle

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



22.9811, 0.3233, 0.1777



22.9811, 0.5629, 0.2897



22.9811, 0.2460, 0.5935



22.9811, 0.1102, 0.2969

Sweetspot

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



22.9822, 0.3233, 0.1777



70.3940, 0.3159, 0.2776



9.8907, 0.1799, 0.1078



14.3766, 0.3164, 0.2708



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.



22.9822, 0.3233, 0.1777



29.7769, 0.3249, 0.1629



20.0479, 0.4287, 0.2493



12.6282, 0.3141, 0.3065



11.4461, 0.3260, 0.1569



0.6918, 0.3250, 0.1564

Inverse Universe

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



22.9822, 0.3233, 0.1777



29.7769, 0.3249, 0.1629



51.7155, 0.2679, 0.4411



12.6282, 0.3141, 0.3065



11.4461, 0.3260, 0.1569



0.6918, 0.3250, 0.1564

Previews

White Background



This preview shows how the Yxy color 22.9811, 0.3233, 0.1777 looks on a white background.

Color Contrast Check

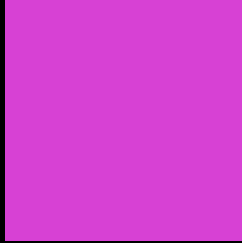
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9811, 0.3233, 0.1777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

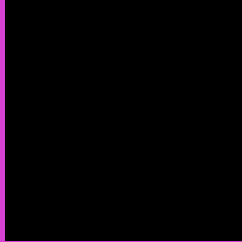
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9811, 0.3233, 0.1777

Background



This preview shows how black text looks on a background with the Yxy color 22.9811, 0.3233, 0.1777.



This preview shows how white text looks on a background with the Yxy color 22.9811, 0.3233, 0.1777.

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

22.9811, 0.3233, 0.1777

Protanopia

23.5282, 0.1847, 0.1582

Deuteranopia

23.3635, 0.2250, 0.2195



Tritanopia

22.8724, 0.4462, 0.3205

Trichromacy



Original Color

22.9811, 0.3233, 0.1777



Protanomaly

19.9126, 0.2096, 0.1514



Deuteranomaly

20.8441, 0.2515, 0.1907



Tritanomaly

22.1261, 0.4000, 0.2584

Monochromacy



Original Color

22.9811, 0.3233, 0.1777



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

19.7402, 0.3178, 0.2468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9811, 0.3233, 0.1777 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(215, 65, 212)` looks like.

```
.text, #text, p{  
    color:rgb(215, 65, 212)  
}
```

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(215, 65, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 65, 212) }
```

Border

The CSS property to change the border of an element to Yxy 22.9811, 0.3233, 0.1777 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(215, 65, 212) }
```

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

```
.border{ border-color:rgb(215, 65, 212) }
```

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

Here you see how a box with a 4 pixel rgb(215, 65, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 65, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 65, 212);  
box-shadow:4px 4px 4px 4px rgb(215, 65,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9811, 0.3233, 0.1777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 65, 212) }
```

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

```
.background{ background-color: rgb(215, 65,  
212) }
```

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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