

# Converting Colors

$Y_{xy}(22.9916, 0.2676, 0.1406)$

Have a look what the booklet for  
Yxy(22.9916, 0.2676, 0.1406)  
contains.

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# Color

**Yxy(23.0828, 0.2679, 0.1410)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C93EFF
RGB	201, 62, 255
RGB Percent	79%, 24%, 100%
CMY	0.2119, 0.7568, 0.0000
CMYK	0.21, 0.76, 0.00, 0.00
HSL	283°, 100%, 62%
HSV	283°, 76%, 100%
XYZ	43.8573, 23.0828, 96.7677
YIQ	125.5630, 20.8910, 89.4910

# Conversions

## Conversions Part 2

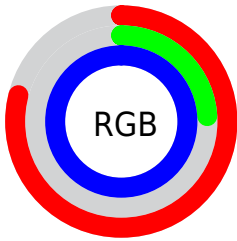
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 62, 255
Decimal	13188863
CIE Lab	55.16, 79.66, -69.60
CIE LCh	55, 105.782, 318.854
Yxy	23.0828, 0.2679, 0.1410
Android (android.graphics.Color)	4291378943 (0xFFC93EFF)
YUV	125.5630, 63.8124, 66.1582
Hunter-Lab	48.0446, 78.8651, -85.7862

# Details

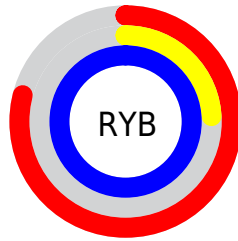
The Yxy color **23.0828, 0.2679, 0.1410** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **75.5845, 0.3217, 0.5547**, and the grayscale version is **20.4862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6459, 0.3185, 0.2047**, and **9.6939, 0.2497, 0.1149** is the 20% darker color. If you saturate the color by 10%, you get **19.9618, 0.2602, 0.1270**, and if you desaturate by 10%, it is **27.5486, 0.2756, 0.1597**.

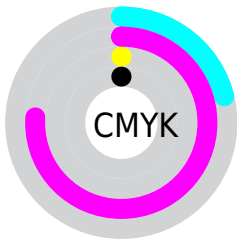
# Distribution



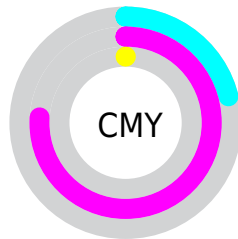
- Red (79%)
- Green (24%)
- Blue (100%)



- Red (79%)
- Yellow (24%)
- Blue (100%)



- Cyan (21%)
- Magenta (76%)
- Yellow (0%)
- Black (0%)




- Cyan (21%)
- Magenta (76%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 23.0828, 0.2679, 0.1410 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 23.0828, 0.2679, 0.1410 by changing the saturation by 10% instead.





 23.0828, 0.2679,  
0.1410


 23.0828, 0.2679,  
0.1410


268.1500, 0.2961,  
0.2249


 14.6547, 0.2597,  
0.1238


 48.5292, 0.2791,  
0.1688


 8.5774, 0.2489,  
0.1038


 66.3163, 0.2831,  
0.1800


 4.4666, 0.2341,  
0.0809


 87.9919, 0.2863,  
0.1899

 1.9378, 0.2133,  
0.0555

 113.9403, 0.2890,  
0.1986

 0.5710, 0.1840,  
0.0277

 144.5459, 0.2912,  
0.2063

 0.0000, 0.1425,  
0.0000

180.1931, 0.2931,


 0.0000, 0.0712,


0.2132


0.0000


221.2663, 0.2947,  
0.2194


 0.0000, 0.0000,  
0.0000


 23.0828, 0.2679,  
0.1410


 23.0828, 0.2679,  
0.1410


 19.9618, 0.2602,  
0.1270


 27.5486, 0.2756,  
0.1597


 17.9869, 0.2528,  
0.1179

 33.5218, 0.2831,  
0.1823

 17.3626, 0.2497,  
0.1149

 41.1402, 0.2900,  
0.2077

 50.5261, 0.2963,  
0.2346

 61.7900, 0.3019,  
0.2621

 75.0334, 0.3067,  
0.2891

 90.3502, 0.3107,  
0.3150

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



23.0828, 0.1479, 0.1133



23.0828, 0.2679, 0.1410



23.0828, 0.4550, 0.1997

# Triad

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



23.0828, 0.2679, 0.1410



23.0828, 0.5356, 0.4644



23.0828, 0.0815, 0.2804

# Complementary

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



23.0828, 0.2679, 0.1410



75.5845, 0.3217, 0.5547

# 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.



23.0828, 0.1445, 0.5248



23.0828, 0.2679, 0.1410



23.0828, 0.4000, 0.6000

# Square

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



23.0828, 0.2679, 0.1410



23.0828, 0.6264, 0.3568



23.0828, 0.2616, 0.6785



23.0828, 0.0694, 0.1581



# Rectangle

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



23.0828, 0.2679, 0.1410



23.0828, 0.5726, 0.2499



23.0828, 0.2616, 0.6785



23.0828, 0.0954, 0.3503

# Sweetspot

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



23.0824, 0.2679, 0.1410



65.1358, 0.3033, 0.2694



20.8983, 0.1824, 0.1446



12.9821, 0.3014, 0.2595



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.



23.0824, 0.2679, 0.1410



18.7828, 0.2563, 0.1215



29.5218, 0.3657, 0.1963



18.0298, 0.3093, 0.3053



9.1511, 0.2509, 0.1156



0.9459, 0.2591, 0.1201



# Inverse Universe

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



25.9702, 0.5056, 0.2847



22.5739, 0.5612, 0.2925



73.5412, 0.2897, 0.5294



18.0707, 0.3250, 0.3224



11.3709, 0.5838, 0.2990



1.1248, 0.5519, 0.2814



# Previews

## White Background



This preview shows how the Yxy color 23.0828, 0.2679, 0.1410 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

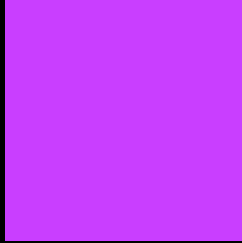
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 23.0828, 0.2679, 0.1410 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

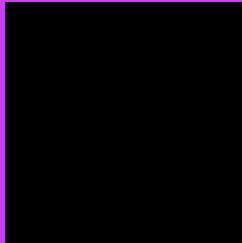
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 23.0828, 0.2679, 0.1410**

## Background



This preview shows how black text looks on a background with the Yxy color 23.0828, 0.2679, 0.1410.

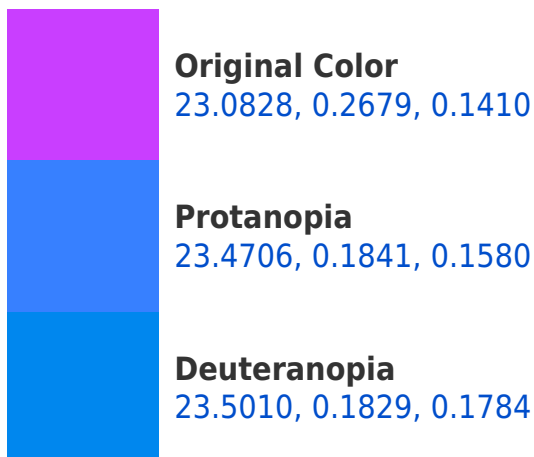


This preview shows how white text looks on a background with the Yxy color 23.0828, 0.2679, 0.1410.

# 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





## Tritanopia

22.7926, 0.3926, 0.3162

# Trichromacy



## Original Color

23.0828, 0.2679, 0.1410



## Protanomaly

20.3088, 0.1992, 0.1386



## Deuteranomaly

18.6732, 0.1865, 0.1425



## Tritanomaly

21.5991, 0.3400, 0.2295

# Monochromacy



## Original Color

23.0828, 0.2679, 0.1410



## Achromatopsia

20.8637, 0.3127, 0.3290



## Achromatomaly

19.4899, 0.2935, 0.2241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 23.0828, 0.2679, 0.1410 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(201, 62, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 62, 255)  
}
```

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(201, 62, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 62, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 23.0828, 0.2679, 0.1410 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(201, 62, 255) }
```

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

```
.border{ border-color:rgb(201, 62, 255) }
```

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

Here you see how a box with a 4 pixel rgb(201, 62, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 62, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 62, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 62,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 23.0828, 0.2679, 0.1410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 62, 255) }
```

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

```
.background{ background-color: rgb(201, 62,  
255) }
```

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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