

Converting Colors

$Y_{xy}(6.9875, 0.2233, 0.1004)$

Have a look what the booklet for
Yxy(6.9875, 0.2233, 0.1004)
contains.

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Color

Yxy(6.9899, 0.2236, 0.1005)

Conversions

Conversions Part 1

Format	Color
Hex	7000BA
RGB	112, 0, 186
RGB Percent	44%, 0%, 73%
CMY	0.5607, 1.0000, 0.2704
CMYK	0.40, 1.00, 0.00, 0.27
HSL	276°, 100%, 36%
HSV	276°, 100%, 73%
XYZ	15.5517, 6.9899, 47.0097
YIQ	54.6920, 7.0460, 81.5900

Conversions

Conversions Part 2

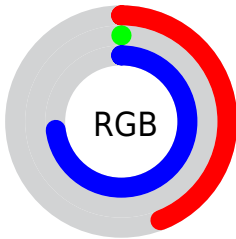
Format	Color
R_{YB}	112, 0, 186
Decimal	7340218
CIE _{Lab}	31.78, 67.51, -68.77
CIE _{LCh}	32, 96.371, 314.468
Yxy	6.9899, 0.2236, 0.1005
Android (android.graphics.Color)	4285530298 (0xFF7000BA)
YUV	54.6920, 64.7348, 50.2591
Hunter-Lab	26.4384, 58.7304, -86.9156

Details

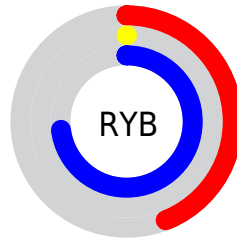
The Yxy color **6.9899, 0.2236, 0.1005** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **36.5939, 0.3238, 0.5811**, and the grayscale version is **3.6987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **20.0266, 0.2490, 0.1408**, and **2.3425, 0.1855, 0.0796** is the 20% darker color. If you saturate the color by 10%, you get **6.9940, 0.2236, 0.1005**, and if you desaturate by 10%, it is **7.9523, 0.2333, 0.1107**.

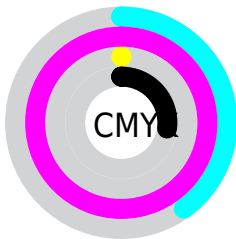
Distribution



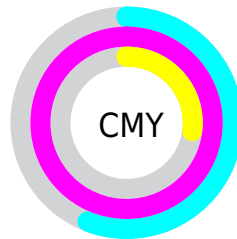
- Red (44%)
- Green (0%)
- Blue (73%)



- Red (44%)
- Yellow (0%)
- Blue (73%)



- Cyan (40%)
- Magenta (100%)
- Yellow (0%)
- Black (27%)





- Cyan (56%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 6.9899, 0.2236, 0.1005 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 6.9899, 0.2236, 0.1005 by changing the saturation by 10% instead.


 6.9899, 0.2236,
0.1005


 6.9899, 0.2236,
0.1005


167.5797, 0.2825,
0.2152


 3.4558, 0.2046,
0.0760


 19.9529, 0.2484,
0.1401


 1.3741, 0.1784,
0.0491

 30.1506, 0.2568,
0.1558


 0.1975, 0.1437,
0.0125

 43.3382, 0.2634,
0.1693

 0.0000, 0.0939,
0.0000

 59.9002, 0.2687,
0.1811


 0.0000, 0.0000,
0.0000


 80.2209, 0.2731,
0.1913


 104.6849, 0.2768,


0.2002


 133.6763, 0.2799,
0.2081


 6.9899, 0.2236,
0.1005


 6.9899, 0.2236,
0.1005

 6.9940, 0.2236,
0.1005

 7.9523, 0.2333,
0.1107

 9.3827, 0.2436,
0.1251

 11.4453, 0.2543,
0.1445

 14.2196, 0.2649,
0.1679

 17.7732, 0.2751,
0.1942

■ 22.1655, 0.2846,
0.2220

■ 27.4501, 0.2932,
0.2502

■ 33.6759, 0.3007,
0.2779

■ 40.8883, 0.3072,
0.3043

Harmonies

Analogous

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



6.9899, 0.1028, 0.0776



6.9899, 0.2236, 0.1005



6.9899, 0.4558, 0.1570

Triad

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



6.9899, 0.2236, 0.1005



6.9899, 0.5753, 0.4247



6.9899, 0.0444, 0.2853

Complementary

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



6.9899, 0.2236, 0.1005



36.5939, 0.3238, 0.5811

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.



6.9899, 0.1043, 0.6622



6.9899, 0.2236, 0.1005



6.9899, 0.3956, 0.6044

Square

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



6.9899, 0.2236, 0.1005



6.9899, 0.6929, 0.3071



6.9899, 0.2240, 0.7760



6.9899, 0.0358, 0.1276

Rectangle

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



6.9899, 0.2236, 0.1005



6.9899, 0.6225, 0.2077



6.9899, 0.2240, 0.7760



6.9899, 0.0564, 0.3908

Sweetspot

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



6.9940, 0.2236, 0.1005



49.2129, 0.2928, 0.2489



8.5008, 0.1684, 0.1262



9.9071, 0.2892, 0.2369



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



6.9940, 0.2236, 0.1005



12.5255, 0.2222, 0.0997



13.2513, 0.3478, 0.1690



8.9797, 0.3076, 0.3060



4.7472, 0.2248, 0.1012



0.2022, 0.2498, 0.1150

Inverse Universe

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



10.9395, 0.5388, 0.2742



19.7729, 0.5429, 0.2764



35.1831, 0.2981, 0.5931



9.0698, 0.3227, 0.3199



7.3696, 0.5355, 0.2724



0.2721, 0.4672, 0.2348

Previews

White Background



This preview shows how the Yxy color 6.9899, 0.2236, 0.1005 looks on a white background.

Color Contrast Check

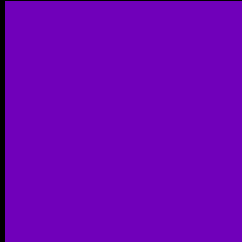
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the Yxy color 6.9899, 0.2236, 0.1005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

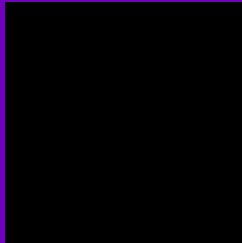
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 6.9899, 0.2236, 0.1005

Background



This preview shows how black text looks on a background with the Yxy color 6.9899, 0.2236, 0.1005.



This preview shows how white text looks on a background with the Yxy color 6.9899, 0.2236, 0.1005.

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

6.9899, 0.2236, 0.1005

Protanopia

7.4665, 0.1757, 0.1525

Deuteranopia

7.3412, 0.1864, 0.1908



Tritanopia

7.4390, 0.3346, 0.3159

Trichromacy



Original Color
6.9899, 0.2236, 0.1005

Protanomaly
5.4125, 0.1736, 0.1040

Deuteranomaly
5.0857, 0.1788, 0.1153

Tritanomaly
5.7797, 0.2817, 0.1786

Monochromacy



Original Color
6.9899, 0.2236, 0.1005

Achromatopsia
3.8204, 0.3127, 0.3290

Achromatomaly
3.7178, 0.2624, 0.1618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 6.9899, 0.2236, 0.1005 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(112, 0, 186)` looks like.

```
.text, #text, p{  
    color:rgb(112, 0, 186)  
}
```

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(112, 0, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 0, 186) }
```

Border

The CSS property to change the border of an element to Yxy 6.9899, 0.2236, 0.1005 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(112, 0, 186) }
```

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

```
.border{ border-color:rgb(112, 0, 186) }
```

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

Here you see how a box with a 4 pixel rgb(112, 0, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 0, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 0, 186);  
box-shadow:4px 4px 4px 4px rgb(112, 0,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 6.9899, 0.2236, 0.1005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 0, 186) }
```

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

```
.background{ background-color: rgb(112, 0,  
186) }
```

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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