

Converting Colors

$Y_{xy}(11.2853, 0.2098, 0.1153)$

Have a look what the booklet for
Yxy(11.2853, 0.2098, 0.1153)
contains.

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Color

Yxy(11.2310, 0.2096, 0.1149)

Conversions

Conversions Part 1

Format	Color
Hex	7038D8
RGB	112, 56, 216
RGB Percent	44%, 22%, 85%
CMY	0.5607, 0.7803, 0.1531
CMYK	0.48, 0.74, 0.00, 0.15
HSL	261°, 67%, 53%
HSV	261°, 74%, 85%
XYZ	20.4875, 11.2310, 66.0273
YIQ	90.9840, -17.9840, 61.6320

Conversions

Conversions Part 2

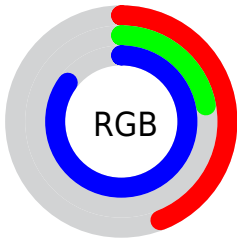
Format	Color
R_{YB}	112, 56, 216
Decimal	7354584
CIE _{Lab}	39.97, 58.56, -72.79
CIE _{LCh}	40, 93.420, 308.815
Yxy	11.2310, 0.2096, 0.1149
Android (android.graphics.Color)	4285544664 (0xFF7038D8)
YUV	90.9840, 61.6329, 18.4310
Hunter-Lab	33.5127, 50.4764, -93.3554

Details

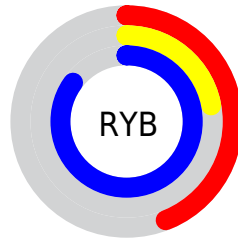
The Yxy color **11.2310, 0.2096, 0.1149** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **56.8478, 0.3640, 0.5205**, and the grayscale version is **10.3209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.7158, 0.2453, 0.1621**, and **3.1424, 0.1704, 0.0712** is the 20% darker color. If you saturate the color by 10%, you get **8.7194, 0.1949, 0.0944**, and if you desaturate by 10%, it is **14.7890, 0.2256, 0.1408**.

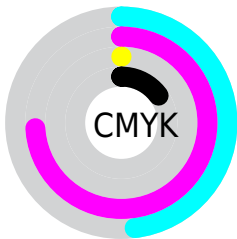
Distribution



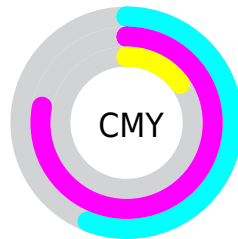
- Red (44%)
- Green (22%)
- Blue (85%)



- Red (44%)
- Yellow (22%)
- Blue (85%)



- Cyan (48%)
- Magenta (74%)
- Yellow (0%)
- Black (15%)





- Cyan (56%)
- Magenta (78%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.2310, 0.2096, 0.1149 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 11.2310, 0.2096, 0.1149 by changing the saturation by 10% instead.


 11.2310, 0.2096,
0.1149


 11.2310, 0.2096,
0.1149


199.2456, 0.2714,
0.2186

 6.2224, 0.1922,
0.0930


 28.0865, 0.2339,
0.1502


 2.9808, 0.1694,
0.0682


 40.7023, 0.2425,
0.1643


 1.1217, 0.1395,
0.0415

 56.6226, 0.2496,
0.1765

 0.0000, 0.1026,
0.0000

 76.2318, 0.2555,
0.1872

 0.0000, 0.0457,
0.0000

 99.9143, 0.2604,
0.1965

 0.0000, 0.0000,
0.0000

 128.0545, 0.2646,

0.2048

161.0368, 0.2682,
0.2121

■ 11.2310, 0.2096,
0.1149

■ 11.2310, 0.2096,
0.1149

■ 8.7194, 0.1949,
0.0944

■ 14.7890, 0.2256,
0.1408

■ 7.1213, 0.1823,
0.0802

■ 19.5018, 0.2420,
0.1704

■ 6.4763, 0.1759,
0.0743

■ 25.4649, 0.2580,
0.2019

■ 32.7632, 0.2730,
0.2335

■ 41.4740, 0.2865,
0.2641

■ 51.6686, 0.2985,
0.2928

■ 63.4134, 0.3089,
0.3190

■ 76.7707, 0.3178,
0.3428

■ 91.7993, 0.3254,
0.3640

Harmonies

Analogous

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



11.2310, 0.1098, 0.0972



11.2310, 0.2096, 0.1149



11.2310, 0.3945, 0.1646

Triad

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



11.2310, 0.2096, 0.1149



11.2310, 0.5847, 0.4153



11.2310, 0.0778, 0.3481

Complementary

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



11.2310, 0.2096, 0.1149



56.8478, 0.3640, 0.5205

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.



11.2310, 0.1602, 0.6464



11.2310, 0.2096, 0.1149



11.2310, 0.4417, 0.5583

Square

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



11.2310, 0.2096, 0.1149



11.2310, 0.6633, 0.3164



11.2310, 0.2922, 0.7078



11.2310, 0.0554, 0.1712

Rectangle

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



11.2310, 0.2096, 0.1149



11.2310, 0.5406, 0.2131



11.2310, 0.2922, 0.7078



11.2310, 0.0975, 0.4457

Sweetspot

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



11.2313, 0.2096, 0.1149



63.0096, 0.2889, 0.2696



30.9320, 0.2093, 0.2435



12.6746, 0.2854, 0.2615



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.



11.2313, 0.2096, 0.1149



11.2099, 0.1873, 0.0854



18.9883, 0.2931, 0.1566



12.2180, 0.3035, 0.3053



3.8894, 0.1774, 0.0751



0.2800, 0.1969, 0.0859

Inverse Universe

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



19.9599, 0.3954, 0.2188



25.2096, 0.4199, 0.2141



51.0835, 0.3114, 0.5568



12.5554, 0.3191, 0.3140



9.7896, 0.4331, 0.2160



0.6059, 0.4088, 0.2026

Previews

White Background



This preview shows how the Yxy color 11.2310, 0.2096, 0.1149 looks on a white background.

Color Contrast Check

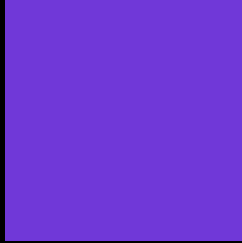
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 11.2310, 0.2096, 0.1149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

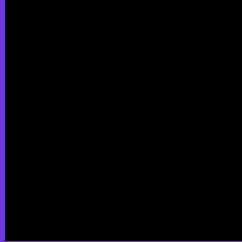
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.2310, 0.2096, 0.1149

Background



This preview shows how black text looks on a background with the Yxy color 11.2310, 0.2096, 0.1149.



This preview shows how white text looks on a background with the Yxy color 11.2310, 0.2096, 0.1149.

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

11.2310, 0.2096, 0.1149

Protanopia

11.2879, 0.1747, 0.1487

Deuteranopia

11.2660, 0.1859, 0.1893



Tritanopia

11.1591, 0.2820, 0.3097

Trichromacy



Original Color

11.2310, 0.2096, 0.1149



Protanomaly

10.1372, 0.1755, 0.1255



Deuteranomaly

9.9667, 0.1820, 0.1441



Tritanomaly

10.2563, 0.2468, 0.2014

Monochromacy



Original Color

11.2310, 0.2096, 0.1149



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

9.8790, 0.2634, 0.2113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2310, 0.2096, 0.1149 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, 56, 216)` looks like.

```
.text, #text, p{  
    color:rgb(112, 56, 216)  
}
```

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, 56, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 56, 216) }
```

Border

The CSS property to change the border of an element to Yxy 11.2310, 0.2096, 0.1149 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, 56, 216) }
```

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

```
.border{ border-color:rgb(112, 56, 216) }
```

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

Here you see how a box with a 4 pixel rgb(112, 56, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 56, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 56, 216);  
box-shadow:4px 4px 4px 4px rgb(112, 56,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 11.2310, 0.2096, 0.1149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 56, 216) }
```

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

```
.background{ background-color: rgb(112, 56,  
216) }
```

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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