

Converting Colors

$Y_{xy}(11.9972, 0.2196, 0.1199)$

Have a look what the booklet for
Yxy(11.9972, 0.2196, 0.1199)
contains.

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Color

Yxy(11.9972, 0.2196, 0.1199)

Conversions

Conversions Part 1

Format	Color
Hex	7B38D8
RGB	123, 56, 216
RGB Percent	48%, 22%, 85%
CMY	0.5176, 0.7803, 0.1531
CMYK	0.43, 0.74, 0.00, 0.15
HSL	265°, 67%, 53%
HSV	265°, 74%, 85%
XYZ	21.9732, 11.9972, 66.0897
YIQ	94.2730, -11.4280, 63.9640

Conversions

Conversions Part 2

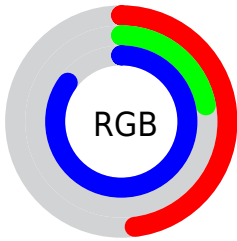
Format	Color
R _Y B	123, 56, 216
Decimal	8075480
CIE Lab	41.21, 60.27, -70.70
CIE LCh	41, 92.900, 310.447
Yxy	11.9972, 0.2196, 0.1199
Android (android.graphics.Color)	4286265560 (0xFF7B38D8)
YUV	94.2730, 60.0114, 25.1936
Hunter-Lab	34.6370, 52.6231, -88.8834

Details

The Yxy color **11.9972, 0.2196, 0.1199** 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 **55.7576, 0.3554, 0.5264**, and the grayscale version is **11.1213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.1024, 0.2538, 0.1666**, and **3.5622, 0.1835, 0.0785** is the 20% darker color. If you saturate the color by 10%, you get **9.4687, 0.2056, 0.1000**, and if you desaturate by 10%, it is **15.5472, 0.2345, 0.1449**.

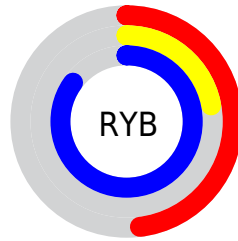
Distribution



Red (48%)

Green (22%)

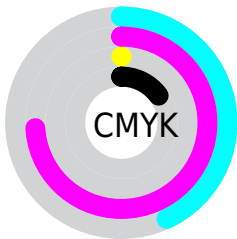
Blue (85%)



Red (48%)

Yellow (22%)

Blue (85%)

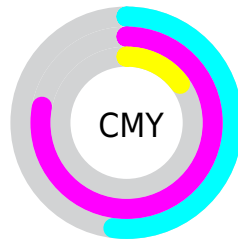


Cyan (43%)

Magenta (74%)

Yellow (0%)

Black (15%)



Cyan (52%)

Magenta (78%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9972, 0.2196, 0.1199 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 11.9972, 0.2196, 0.1199 by changing the saturation by 10% instead.


 11.9972, 0.2196,
0.1199


 11.9972, 0.2196,
0.1199


204.3868, 0.2759,
0.2211

 6.7418, 0.2035,
0.0983


 29.4900, 0.2419,
0.1545


 3.3011, 0.1822,
0.0736


 42.4962, 0.2498,
0.1682


 1.2909, 0.1537,
0.0466

 58.8547, 0.2562,
0.1801

 0.1341, 0.1174,
0.0085

 78.9500, 0.2615,
0.1905

 0.0000, 0.0653,
0.0000

 103.1665, 0.2660,
0.1996

 0.0000, 0.0000,
0.0000

 131.8885, 0.2698,

0.2076

165.5005, 0.2730,
0.2147

■ 11.9972, 0.2196,
0.1199

■ 11.9972, 0.2196,
0.1199

■ 9.4687, 0.2056,
0.1000

■ 15.5472, 0.2345,
0.1449

■ 7.8308, 0.1931,
0.0861

■ 20.2251, 0.2495,
0.1734

■ 7.1522, 0.1866,
0.0801

■ 26.1245, 0.2640,
0.2039

■ 33.3287, 0.2774,
0.2347

■ 41.9133, 0.2895,
0.2646

■ 51.9482, 0.3002,
0.2929

■ 63.4984, 0.3094,
0.3191

■ 76.6248, 0.3172,
0.3428

■ 91.3850, 0.3239,
0.3642

Harmonies

Analogous

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



11.9972, 0.1166, 0.1006



11.9972, 0.2196, 0.1199



11.9972, 0.4048, 0.1712

Triad

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



11.9972, 0.2196, 0.1199



11.9972, 0.5758, 0.4242



11.9972, 0.0795, 0.3351

Complementary

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



11.9972, 0.2196, 0.1199



55.7576, 0.3554, 0.5264

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.



11.9972, 0.1589, 0.6232



11.9972, 0.2196, 0.1199



11.9972, 0.4346, 0.5654

Square

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



11.9972, 0.2196, 0.1199



11.9972, 0.6558, 0.3239



11.9972, 0.2904, 0.7082



11.9972, 0.0585, 0.1696

Rectangle

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



11.9972, 0.2196, 0.1199



11.9972, 0.5457, 0.2200



11.9972, 0.2904, 0.7082



11.9972, 0.0982, 0.4268

Sweetspot

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



11.9976, 0.2196, 0.1199



63.6137, 0.2916, 0.2700



27.3906, 0.2049, 0.2261



12.8162, 0.2885, 0.2621



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.



11.9976, 0.2196, 0.1199



12.2726, 0.1982, 0.0912



20.4292, 0.3051, 0.1626



12.2603, 0.3046, 0.3054



4.2958, 0.1881, 0.0810



0.3071, 0.2078, 0.0918

Inverse Universe

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



19.5902, 0.4131, 0.2303



24.6285, 0.4441, 0.2279



50.6502, 0.3067, 0.5600



12.5406, 0.3201, 0.3155



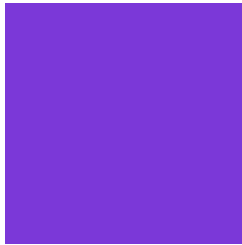
9.5473, 0.4608, 0.2312



0.5922, 0.4302, 0.2143

Previews

White Background



This preview shows how the Yxy color 11.9972, 0.2196, 0.1199 looks on a white background.

Color Contrast Check

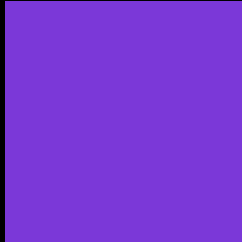
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9972, 0.2196, 0.1199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

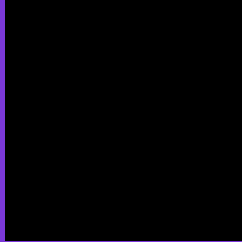
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 11.9972, 0.2196, 0.1199

Background



This preview shows how black text looks on a background with the Yxy color 11.9972, 0.2196, 0.1199.



This preview shows how white text looks on a background with the Yxy color 11.9972, 0.2196, 0.1199.

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

11.9972, 0.2196, 0.1199

Deuteranopia

12.0546, 0.1855, 0.1878

Tritanopia

11.9066, 0.3032, 0.3109

Trichromacy



Original Color

11.9972, 0.2196, 0.1199

Deuteranomaly

10.4864, 0.1835, 0.1455

Tritanomaly

10.9934, 0.2633, 0.2068

Monochromacy



Original Color

11.9972, 0.2196, 0.1199

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.5756, 0.2697, 0.2148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9972, 0.2196, 0.1199 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(123, 56, 216)` looks like.

```
.text, #text, p{  
    color:rgb(123, 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(123, 56, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 56, 216) }
```

Border

The CSS property to change the border of an element to Yxy 11.9972, 0.2196, 0.1199 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(123, 56, 216) }
```

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

```
.border{ border-color:rgb(123, 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(123, 56, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 56, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 56, 216);  
box-shadow:4px 4px 4px 4px rgb(123, 56,  
216) }
```

Background

The CSS property to change the background color of an element to Yxy 11.9972, 0.2196, 0.1199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 56, 216) }
```

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

```
.background{ background-color: rgb(123, 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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