

Converting Colors

$Y_{xy}(11.8645, 0.2224, 0.1159)$

Have a look what the booklet for
Yxy(11.8645, 0.2224, 0.1159)
contains.

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Color

Yxy(11.7651, 0.2222, 0.1156)

Conversions

Conversions Part 1

Format	Color
Hex	8030DA
RGB	128, 48, 218
RGB Percent	50%, 19%, 85%
CMY	0.4979, 0.8118, 0.1452
CMYK	0.41, 0.78, 0.00, 0.15
HSL	268°, 70%, 52%
HSV	268°, 78%, 85%
XYZ	22.6142, 11.7651, 67.3949
YIQ	91.3000, -6.8900, 69.8300

Conversions

Conversions Part 2

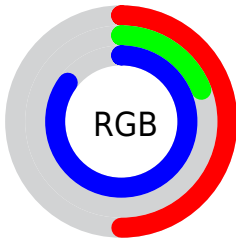
Format	Color
R _Y B	128, 48, 218
Decimal	8401114
CIE Lab	40.84, 64.82, -72.44
CIE LCh	41, 97.214, 311.823
Yxy	11.7651, 0.2222, 0.1156
Android (android.graphics.Color)	4286591194 (0xFF8030DA)
YUV	91.3000, 62.4631, 32.1859
Hunter-Lab	34.3003, 57.6598, -92.4857

Details

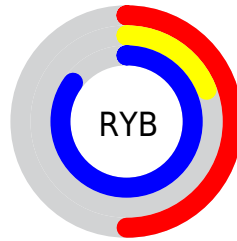
The Yxy color **11.7651, 0.2222, 0.1156** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **55.7448, 0.3486, 0.5387**, and the grayscale version is **10.3904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4853, 0.2575, 0.1631**, and **3.8019, 0.1877, 0.0807** is the 20% darker color. If you saturate the color by 10%, you get **9.5551, 0.2093, 0.0986**, and if you desaturate by 10%, it is **14.9525, 0.2359, 0.1380**.

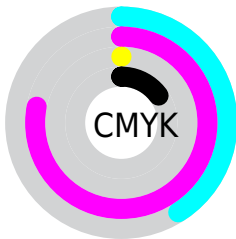
Distribution



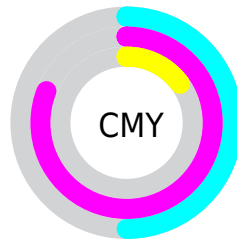
- Red (50%)
- Green (19%)
- Blue (85%)



- Red (50%)
- Yellow (19%)
- Blue (85%)



- Cyan (41%)
- Magenta (78%)
- Yellow (0%)
- Black (15%)





- Cyan (50%)
- Magenta (81%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7651, 0.2222, 0.1156 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 11.7651, 0.2222, 0.1156 by changing the saturation by 10% instead.


 11.7651, 0.2222,
0.1156


 11.7651, 0.2222,
0.1156


202.8439, 0.2774,
0.2179


 6.5839, 0.2063,
0.0941


 29.0666, 0.2442,
0.1503


 3.2033, 0.1852,
0.0698


 41.9556, 0.2519,
0.1641


 1.2388, 0.1570,
0.0435

 58.1828, 0.2582,
0.1762

 0.0930, 0.1211,
0.0057

 78.1325, 0.2634,
0.1867

 0.0000, 0.0707,
0.0000

 102.1890, 0.2678,
0.1959

 0.0000, 0.0000,
0.0000

 130.7369, 0.2715,

0.2041

164.1604, 0.2747,
0.2114

■ 11.7651, 0.2222,
0.1156

■ 11.7651, 0.2222,
0.1156

■ 9.5551, 0.2093,
0.0986

■ 14.9525, 0.2359,
0.1380

■ 8.1569, 0.1979,
0.0872

■ 19.2328, 0.2499,
0.1645

■ 7.9225, 0.1957,
0.0852

■ 24.7055, 0.2635,
0.1935

■ 31.4585, 0.2761,
0.2237

■ 39.5711, 0.2876,
0.2536

■ 49.1160, 0.2978,
0.2823

■ 60.1606, 0.3066,
0.3091

■ 72.7680, 0.3141,
0.3338

■ 86.9976, 0.3205,
0.3562

Harmonies

Analogous

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



11.7651, 0.1140, 0.0949



11.7651, 0.2222, 0.1156



11.7651, 0.4187, 0.1687

Triad

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



11.7651, 0.2222, 0.1156



11.7651, 0.5743, 0.4257



11.7651, 0.0698, 0.3211

Complementary

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



11.7651, 0.2222, 0.1156



55.7448, 0.3486, 0.5387

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.



11.7651, 0.1447, 0.6296



11.7651, 0.2222, 0.1156



11.7651, 0.4243, 0.5757

Square

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



11.7651, 0.2222, 0.1156



11.7651, 0.6668, 0.3225



11.7651, 0.2743, 0.7257



11.7651, 0.0525, 0.1581

Rectangle

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



11.7651, 0.2222, 0.1156



11.7651, 0.5655, 0.2184



11.7651, 0.2743, 0.7257



11.7651, 0.0869, 0.4160

Sweetspot

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



11.7655, 0.2222, 0.1156



62.6993, 0.2927, 0.2675



24.0541, 0.1973, 0.2059



12.3915, 0.2889, 0.2569



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.



11.7655, 0.2222, 0.1156



12.1713, 0.2013, 0.0903



21.2181, 0.3140, 0.1627



12.9162, 0.3054, 0.3054



4.8103, 0.1972, 0.0860



0.3626, 0.2153, 0.0960

Inverse Universe

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



18.8492, 0.4360, 0.2379



23.5676, 0.4743, 0.2414



51.1208, 0.3030, 0.5715



13.1661, 0.3209, 0.3167



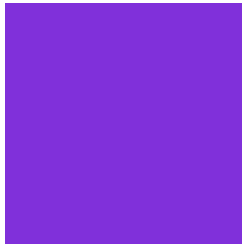
9.6984, 0.4827, 0.2433



0.6457, 0.4491, 0.2248

Previews

White Background



This preview shows how the Yxy color 11.7651, 0.2222, 0.1156 looks on a white background.

Color Contrast Check

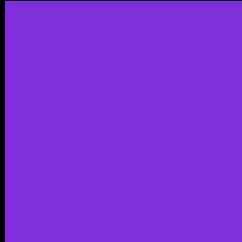
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7651, 0.2222, 0.1156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

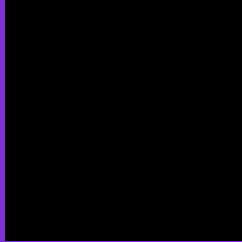
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7651, 0.2222, 0.1156

Background



This preview shows how black text looks on a background with the Yxy color 11.7651, 0.2222, 0.1156.



This preview shows how white text looks on a background with the Yxy color 11.7651, 0.2222, 0.1156.

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

11.7651, 0.2222, 0.1156

Protanopia

11.8142, 0.1746, 0.1487

Deuteranopia

11.7883, 0.1856, 0.1883



Tritanopia

11.7698, 0.3150, 0.3134

Trichromacy



Original Color

11.7651, 0.2222, 0.1156



Protanomaly

10.2717, 0.1767, 0.1233



Deuteranomaly

9.9295, 0.1828, 0.1395



Tritanomaly

10.7009, 0.2706, 0.2033

Monochromacy



Original Color

11.7651, 0.2222, 0.1156



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

9.7814, 0.2688, 0.2063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7651, 0.2222, 0.1156 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(128, 48, 218)` looks like.

```
.text, #text, p{  
    color:rgb(128, 48, 218)  
}
```

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(128, 48, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 48, 218) }
```

Border

The CSS property to change the border of an element to Yxy 11.7651, 0.2222, 0.1156 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(128, 48, 218) }
```

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

```
.border{ border-color:rgb(128, 48, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 48, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 48, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 48, 218);  
box-shadow:4px 4px 4px 4px rgb(128, 48,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7651, 0.2222, 0.1156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 48, 218) }
```

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

```
.background{ background-color: rgb(128, 48,  
218) }
```

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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