

Converting Colors

$Y_{xy}(11.6869, 0.2098, 0.1402)$

Have a look what the booklet for
Yxy(11.6869, 0.2098, 0.1402)
contains.

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Color

Yxy(11.6869, 0.2098, 0.1402)

Conversions

Conversions Part 1

Format	Color
Hex	604CC5
RGB	96, 76, 197
RGB Percent	38%, 30%, 77%
CMY	0.6236, 0.7020, 0.2273
CMYK	0.51, 0.61, 0.00, 0.23
HSL	250°, 51%, 54%
HSV	250°, 61%, 77%
XYZ	17.4887, 11.6869, 54.1832
YIQ	95.7740, -26.9210, 41.8710

Conversions

Conversions Part 2

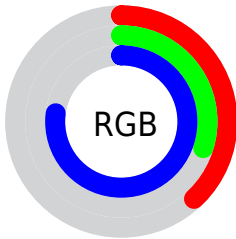
Format	Color
R_{YB}	96, 76, 197
Decimal	6311109
CIE _{Lab}	40.71, 39.93, -60.71
CIE _{LCh}	41, 72.660, 303.335
Yxy	11.6869, 0.2098, 0.1402
Android (android.graphics.Color)	4284501189 (0xFF604CC5)
YUV	95.7740, 49.9044, 0.1982
Hunter-Lab	34.1861, 31.4900, -70.0413

Details

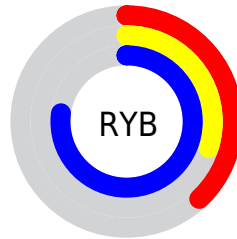
The Yxy color **11.6869, 0.2098, 0.1402** is a dark color, and the websafe version is hex **333399**. The color can be described as dark muted purple. A complement of this color would be **49.8274, 0.3804, 0.4808**, and the grayscale version is **11.5209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0117, 0.2339, 0.1748**, and **3.1728, 0.1690, 0.0907** is the 20% darker color. If you saturate the color by 10%, you get **8.5750, 0.1918, 0.1112**, and if you desaturate by 10%, it is **15.8174, 0.2290, 0.1727**.

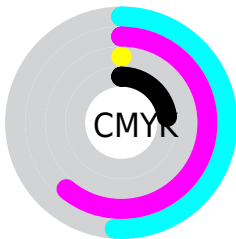
Distribution



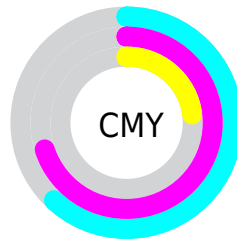
- Red (38%)
- Green (30%)
- Blue (77%)



- Red (38%)
- Yellow (30%)
- Blue (77%)



- Cyan (51%)
- Magenta (61%)
- Yellow (0%)
- Black (23%)





- Cyan (62%)
- Magenta (70%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6869, 0.2098, 0.1402 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 11.6869, 0.2098, 0.1402 by changing the saturation by 10% instead.


 11.6869, 0.2098,
0.1402

 11.6869, 0.2098,
0.1402


202.3213, 0.2708,
0.2371


 6.5309, 0.1922,
0.1175


 28.9236, 0.2339,
0.1748


 3.1705, 0.1689,
0.0905

 41.7730, 0.2425,
0.1881


 1.2214, 0.1375,
0.0592

 57.9556, 0.2494,
0.1994

 0.0791, 0.0978,
0.0072

 77.8559, 0.2552,
0.2091

 0.0000, 0.0000,
0.0000

 101.8582, 0.2600,
0.2176

130.3470, 0.2641,

0.2249

163.7065, 0.2677,
0.2314

■ 11.6869, 0.2098,
0.1402

■ 11.6869, 0.2098,
0.1402

■ 8.5750, 0.1918,
0.1112

■ 15.8174, 0.2290,
0.1727

■ 6.3902, 0.1762,
0.0880

■ 21.0449, 0.2482,
0.2065

■ 5.0261, 0.1641,
0.0721

■ 27.4414, 0.2664,
0.2397

■ 4.3490, 0.1569,
0.0638

■ 35.0723, 0.2831,
0.2711

■ 43.9981, 0.2980,
0.2998

■ 54.2754, 0.3110,
0.3256

■ 65.9575, 0.3223,
0.3484

■ 79.0946, 0.3319,
0.3684

■ 93.7345, 0.3401,
0.3858

Harmonies

Analogous

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



11.6869, 0.1290, 0.1290



11.6869, 0.2098, 0.1402



11.6869, 0.3498, 0.1815

Triad

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



11.6869, 0.2098, 0.1402



11.6869, 0.5729, 0.4140



11.6869, 0.1288, 0.3896

Complementary

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



11.6869, 0.2098, 0.1402



49.8274, 0.3804, 0.4808

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.



11.6869, 0.2216, 0.5886



11.6869, 0.2098, 0.1402



11.6869, 0.4742, 0.5258

Square

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



11.6869, 0.2098, 0.1402



11.6869, 0.6014, 0.3253



11.6869, 0.3450, 0.6198



11.6869, 0.0908, 0.2250

Rectangle

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



11.6869, 0.2098, 0.1402



11.6869, 0.4630, 0.2242



11.6869, 0.3450, 0.6198



11.6869, 0.1538, 0.4622

Sweetspot

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



11.6872, 0.2098, 0.1402



67.5727, 0.2880, 0.2804



37.7640, 0.2323, 0.3008



13.5025, 0.2834, 0.2717



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.



11.6872, 0.2098, 0.1402



13.7184, 0.1856, 0.1019



16.1379, 0.2697, 0.1666



10.3702, 0.3008, 0.3053



2.8838, 0.1577, 0.0642



0.1636, 0.1756, 0.0741

Inverse Universe

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



20.2208, 0.3441, 0.2073



30.5647, 0.3528, 0.1904



44.3509, 0.3309, 0.5096



10.7854, 0.3162, 0.3099



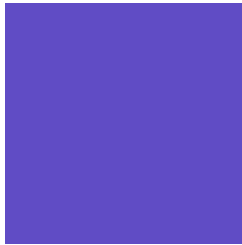
9.5924, 0.3671, 0.1796



0.4624, 0.3560, 0.1735

Previews

White Background



This preview shows how the Yxy color 11.6869, 0.2098, 0.1402 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 11.6869, 0.2098, 0.1402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

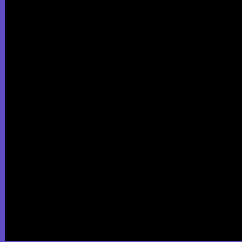
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6869, 0.2098, 0.1402

Background



This preview shows how black text looks on a background with the Yxy color 11.6869, 0.2098, 0.1402.



This preview shows how white text looks on a background with the Yxy color 11.6869, 0.2098, 0.1402.

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

11.6869, 0.2098, 0.1402

Protanopia

11.6398, 0.1742, 0.1470

Deuteranopia

11.6376, 0.1847, 0.1849



Tritanopia

11.6767, 0.2614, 0.3093

Trichromacy



Original Color

11.6869, 0.2098, 0.1402

Protanomaly

10.9984, 0.1779, 0.1399

Deuteranomaly

10.9649, 0.1846, 0.1608

Tritanomaly

11.2396, 0.2379, 0.2255

Monochromacy



Original Color

11.6869, 0.2098, 0.1402

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.3250, 0.2650, 0.2376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6869, 0.2098, 0.1402 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(96, 76, 197)` looks like.

```
.text, #text, p{  
    color:rgb(96, 76, 197)  
}
```

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(96, 76, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 76, 197) }
```

Border

The CSS property to change the border of an element to Yxy 11.6869, 0.2098, 0.1402 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(96, 76, 197) }
```

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

```
.border{ border-color:rgb(96, 76, 197) }
```

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

Here you see how a box with a 4 pixel rgb(96, 76, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 76, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 76, 197);  
box-shadow:4px 4px 4px 4px rgb(96, 76,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6869, 0.2098, 0.1402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 76, 197) }
```

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

```
.background{ background-color: rgb(96, 76,  
197) }
```

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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