

Converting Colors

$Y_{xy}(11.6910, 0.2571, 0.1190)$

Have a look what the booklet for
Yxy(11.6910, 0.2571, 0.1190)
contains.

Yxy(11.6714, 0.2570, 0.1189)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	29

Color

Yxy(11.6714, 0.2570, 0.1189)

Conversions

Conversions Part 1

Format	Color
Hex	9C00D1
RGB	156, 0, 209
RGB Percent	61%, 0%, 82%
CMY	0.3881, 1.0000, 0.1803
CMYK	0.25, 1.00, 0.00, 0.18
HSL	285°, 100%, 41%
HSV	285°, 100%, 82%
XYZ	25.2275, 11.6714, 61.2626
YIQ	70.4700, 25.8870, 98.0710

Conversions

Conversions Part 2

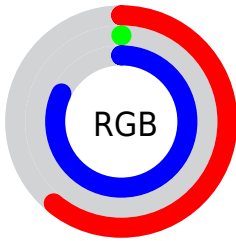
Format	Color
RYB	156, 0, 209
Decimal	10223825
CIELab	40.69, 76.98, -67.37
CIELCh	41, 102.297, 318.808
Yxy	11.6714, 0.2570, 0.1189
Android (android.graphics.Color)	4288413905 (0xFF9C00D1)
YUV	70.4700, 68.2953, 75.0098
Hunter-Lab	34.1634, 72.0248, -82.4057

Details

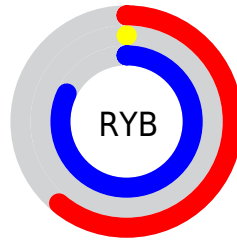
The Yxy color **11.6714, 0.2570, 0.1189** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **46.3710, 0.3100, 0.5921**, and the grayscale version is **6.0907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.1596, 0.2829, 0.1608**, and **4.8413, 0.2320, 0.1052** is the 20% darker color. If you saturate the color by 10%, you get **11.6771, 0.2570, 0.1189**, and if you desaturate by 10%, it is **12.7502, 0.2636, 0.1266**.

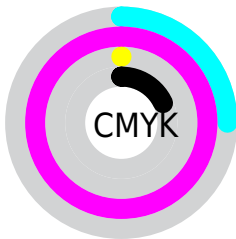
Distribution



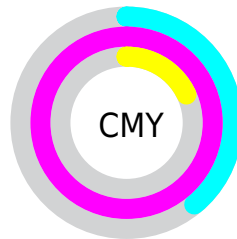
- Red (61%)
- Green (0%)
- Blue (82%)



- Red (61%)
- Yellow (0%)
- Blue (82%)



- Cyan (25%)
- Magenta (100%)
- Yellow (0%)
- Black (18%)




- Cyan (39%)
- Magenta (100%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6714, 0.2570, 0.1189 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 11.6714, 0.2570, 0.1189 by changing the saturation by 10% instead.


 11.6714, 0.2570,
0.1189

 11.6714, 0.2570,
0.1189


202.2176, 0.2947,
0.2196


 6.5203, 0.2448,
0.0975


 28.8952, 0.2729,
0.1532


 3.1640, 0.2278,
0.0729


 41.7367, 0.2783,
0.1669


 1.2179, 0.2036,
0.0461

 57.9105, 0.2825,
0.1787

 0.0763, 0.1710,
0.0052

 77.8010, 0.2859,
0.1891

 0.0000, 0.1187,
0.0000

 101.7926, 0.2887,
0.1981

 0.0000, 0.0000,
0.0000

 130.2696, 0.2910,

0.2062

163.6164, 0.2930,
0.2133

■ 11.6714, 0.2570,
0.1189

■ 11.6714, 0.2570,
0.1189

■ 11.6771, 0.2570,
0.1189

■ 12.7502, 0.2636,
0.1266

■ 14.4233, 0.2704,
0.1383

■ 16.8913, 0.2773,
0.1547

■ 20.2602, 0.2840,
0.1752

■ 24.6196, 0.2904,
0.1989

■ 30.0481, 0.2962,
0.2247

■ 36.6161, 0.3013,
0.2515

■ 44.3882, 0.3058,
0.2783

■ 53.4239, 0.3096,
0.3043

Harmonies

Analogous

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



11.6714, 0.1266, 0.0911



11.6714, 0.2570, 0.1189



11.6714, 0.4795, 0.1797

Triad

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



11.6714, 0.2570, 0.1189



11.6714, 0.5458, 0.4542



11.6714, 0.0548, 0.2622

Complementary

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



11.6714, 0.2570, 0.1189



46.3710, 0.3100, 0.5921

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.



11.6714, 0.1114, 0.5729



11.6714, 0.2570, 0.1189



11.6714, 0.3809, 0.6191

Square

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



11.6714, 0.2570, 0.1189



11.6714, 0.6637, 0.3363



11.6714, 0.2310, 0.7564



11.6714, 0.0476, 0.1319

Rectangle

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



11.6714, 0.2570, 0.1189



11.6714, 0.6202, 0.2309



11.6714, 0.2310, 0.7564



11.6714, 0.0662, 0.3458

Sweetspot

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



11.6771, 0.2570, 0.1189



57.0261, 0.3012, 0.2506



7.4081, 0.1586, 0.0910



11.2236, 0.2990, 0.2391



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.



11.6771, 0.2570, 0.1189



18.2139, 0.2563, 0.1186



16.1064, 0.3911, 0.1928



11.8519, 0.3098, 0.3058



7.2466, 0.2579, 0.1195



0.4417, 0.2700, 0.1261

Inverse Universe

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



13.8163, 0.5938, 0.3045



21.6375, 0.5965, 0.3060



45.8344, 0.2931, 0.5752



11.8567, 0.3251, 0.3231



8.5297, 0.5903, 0.3025



0.4900, 0.5369, 0.2731

Previews

White Background



This preview shows how the Yxy color 11.6714, 0.2570, 0.1189 looks on a white background.

Color Contrast Check

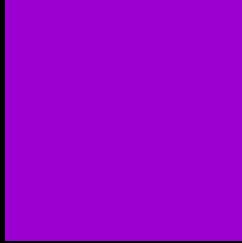
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.6714, 0.2570, 0.1189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

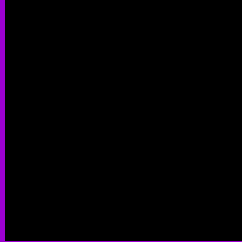
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 11.6714, 0.2570, 0.1189

Background



This preview shows how black text looks on a background with the Yxy color 11.6714, 0.2570, 0.1189.



This preview shows how white text looks on a background with the Yxy color 11.6714, 0.2570, 0.1189.

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

11.6714, 0.2570, 0.1189

Protanopia

12.3079, 0.1749, 0.1494

Tritanopia

12.0575, 0.3981, 0.3180

Trichromacy



Original Color

11.6714, 0.2570, 0.1189



Protanomaly

8.4134, 0.1763, 0.1053



Tritanomaly

10.0512, 0.3391, 0.2017

Monochromacy



Original Color

11.6714, 0.2570, 0.1189



Achromatopsia

6.1246, 0.3127, 0.3290



Achromatomaly

6.0239, 0.2826, 0.1745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6714, 0.2570, 0.1189 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(156, 0, 209)` looks like.

```
.text, #text, p{  
    color:rgb(156, 0, 209)  
}
```

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(156, 0, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 0, 209) }
```

Border

The CSS property to change the border of an element to Yxy 11.6714, 0.2570, 0.1189 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(156, 0, 209) }
```

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

```
.border{ border-color:rgb(156, 0, 209) }
```

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

Here you see how a box with a 4 pixel rgb(156, 0, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 0, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 0, 209);  
box-shadow:4px 4px 4px 4px rgb(156, 0,  
209) }
```

Background

The CSS property to change the background color of an element to Yxy 11.6714, 0.2570, 0.1189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 0, 209) }
```

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

```
.background{ background-color: rgb(156, 0,  
209) }
```

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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