

Converting Colors

$Y_{xy}(11.1705, 0.2587, 0.1230)$

Have a look what the booklet for
Yxy(11.1705, 0.2587, 0.1230)
contains.

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Color

Yxy(11.1669, 0.2586, 0.1229)

Conversions

Conversions Part 1

Format	Color
Hex	9710C9
RGB	151, 16, 201
RGB Percent	59%, 6%, 79%
CMY	0.4077, 0.9377, 0.2116
CMYK	0.25, 0.92, 0.00, 0.21
HSL	284°, 85%, 43%
HSV	284°, 92%, 79%
XYZ	23.4968, 11.1669, 56.1979
YIQ	77.4550, 21.0750, 86.1550

Conversions

Conversions Part 2

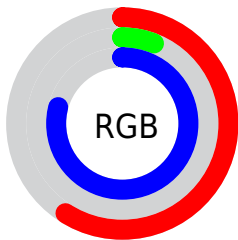
Format	Color
R_{YB}	151, 16, 201
Decimal	9900233
CIE _{Lab}	39.86, 73.03, -64.12
CIE _{LCh}	40, 97.182, 318.717
Yxy	11.1669, 0.2586, 0.1229
Android (android.graphics.Color)	4288090313 (0xFF9710C9)
YUV	77.4550, 60.9077, 64.4990
Hunter-Lab	33.4169, 67.0312, -76.3174

Details

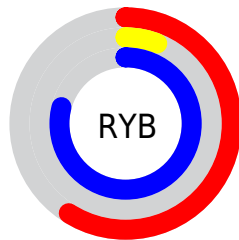
The Yxy color **11.1669, 0.2586, 0.1229** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **42.9819, 0.3149, 0.5827**, and the grayscale version is **7.3799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.7380, 0.2773, 0.1601**, and **4.4025, 0.2330, 0.1057** is the 20% darker color. If you saturate the color by 10%, you get **10.3975, 0.2531, 0.1168**, and if you desaturate by 10%, it is **12.5926, 0.2658, 0.1340**.

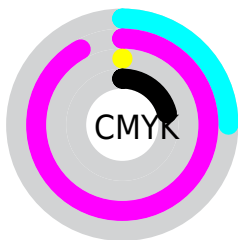
Distribution



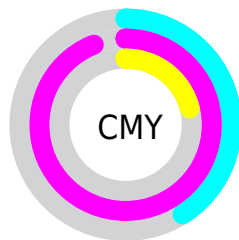
- Red (59%)
- Green (6%)
- Blue (79%)



- Red (59%)
- Yellow (6%)
- Blue (79%)



- Cyan (25%)
- Magenta (92%)
- Yellow (0%)
- Black (21%)





- Cyan (41%)
- Magenta (94%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.1669, 0.2586, 0.1229 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 11.1669, 0.2586, 0.1229 by changing the saturation by 10% instead.


 11.1669, 0.2586,
0.1229


 11.1669, 0.2586,
0.1229


198.8090, 0.2954,
0.2235


 6.1792, 0.2464,
0.1009


 27.9684, 0.2743,
0.1576


 2.9544, 0.2292,
0.0755


 40.5510, 0.2795,
0.1713


 1.1079, 0.2044,
0.0474

 56.4340, 0.2837,
0.1831

 0.0000, 0.1711,
0.0000

 76.0018, 0.2870,
0.1934

 0.0000, 0.1140,
0.0000

 99.6388, 0.2897,
0.2024

 0.0000, 0.0000,
0.0000

 127.7294, 0.2919,

0.2103

160.6580, 0.2938,
0.2173

■ 11.1669, 0.2586,
0.1229

■ 11.1669, 0.2586,
0.1229

■ 10.3975, 0.2531,
0.1168

■ 12.5926, 0.2658,
0.1340

■ 14.7244, 0.2731,
0.1498

■ 17.6632, 0.2804,
0.1699

■ 21.4927, 0.2872,
0.1933

■ 26.2862, 0.2936,
0.2190

■ 32.1092, 0.2993,
0.2458

■ 39.0213, 0.3043,
0.2727

■ 47.0776, 0.3085,
0.2990

■ 56.3294, 0.3121,
0.3239

Harmonies

Analogous

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



11.1669, 0.1303, 0.0951



11.1669, 0.2586, 0.1229



11.1669, 0.4739, 0.1833

Triad

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



11.1669, 0.2586, 0.1229



11.1669, 0.5442, 0.4558



11.1669, 0.0597, 0.2667

Complementary

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



11.1669, 0.2586, 0.1229



42.9819, 0.3149, 0.5827

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.



11.1669, 0.1183, 0.5642



11.1669, 0.2586, 0.1229



11.1669, 0.3853, 0.6147

Square

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



11.1669, 0.2586, 0.1229



11.1669, 0.6587, 0.3413



11.1669, 0.2380, 0.7406



11.1669, 0.0515, 0.1371

Rectangle

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



11.1669, 0.2586, 0.1229



11.1669, 0.6103, 0.2345



11.1669, 0.2380, 0.7406



11.1669, 0.0718, 0.3478

Sweetspot

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



11.1673, 0.2586, 0.1229



59.1191, 0.3012, 0.2558



8.5031, 0.1656, 0.1096



11.6080, 0.2989, 0.2440



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.



11.1673, 0.2586, 0.1229



17.6746, 0.2522, 0.1163



15.3599, 0.3787, 0.1894



10.6670, 0.3095, 0.3059



6.5819, 0.2541, 0.1173



0.3459, 0.2686, 0.1253

Inverse Universe

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



13.1816, 0.5640, 0.2943



21.6881, 0.5912, 0.3031



42.1851, 0.2920, 0.5644



10.6832, 0.3248, 0.3228



7.9901, 0.5843, 0.2992



0.3908, 0.5229, 0.2654

Previews

White Background



This preview shows how the Yxy color 11.1669, 0.2586, 0.1229 looks on a white background.

Color Contrast Check

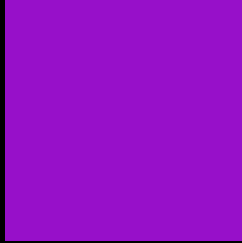
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.1669, 0.2586, 0.1229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

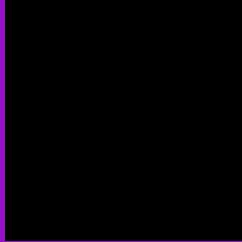
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.1669, 0.2586, 0.1229

Background



This preview shows how black text looks on a background with the Yxy color 11.1669, 0.2586, 0.1229.



This preview shows how white text looks on a background with the Yxy color 11.1669, 0.2586, 0.1229.

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

11.1669, 0.2586, 0.1229

Protanopia

11.5493, 0.1747, 0.1487

Deuteranopia

11.4140, 0.1845, 0.1841



Tritanopia

11.3797, 0.3983, 0.3196

Trichromacy



Original Color

11.1669, 0.2586, 0.1229



Protanomaly

8.5102, 0.1780, 0.1123



Deuteranomaly

8.2827, 0.1845, 0.1275



Tritanomaly

10.0340, 0.3405, 0.2121

Monochromacy



Original Color

11.1669, 0.2586, 0.1229



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.0806, 0.2870, 0.1919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.1669, 0.2586, 0.1229 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(151, 16, 201)` looks like.

```
.text, #text, p{  
    color:rgb(151, 16, 201)  
}
```

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(151, 16, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 16, 201) }
```

Border

The CSS property to change the border of an element to Yxy 11.1669, 0.2586, 0.1229 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(151, 16, 201) }
```

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

```
.border{ border-color:rgb(151, 16, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 16, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 16, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 16, 201);  
box-shadow:4px 4px 4px 4px rgb(151, 16,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 11.1669, 0.2586, 0.1229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 16, 201) }
```

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

```
.background{ background-color: rgb(151, 16,  
201) }
```

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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