

Converting Colors

$Y_{xy}(11.1819, 0.2538, 0.1172)$

Have a look what the booklet for
Yxy(11.1819, 0.2538, 0.1172)
contains.

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Color

Yxy(11.1804, 0.2540, 0.1173)

Conversions

Conversions Part 1

Format	Color
Hex	9800CF
RGB	152, 0, 207
RGB Percent	60%, 0%, 81%
CMY	0.4040, 0.9997, 0.1882
CMYK	0.27, 1.00, 0.00, 0.19
HSL	284°, 100%, 41%
HSV	284°, 100%, 81%
XYZ	24.2099, 11.1804, 59.9243
YIQ	69.0460, 24.1450, 96.6010

Conversions

Conversions Part 2

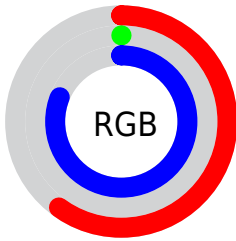
Format	Color
R_{YB}	152, 0, 207
Decimal	9961679
CIE Lab	39.88, 76.07, -67.55
CIE LCh	40, 101.737, 318.397
Yxy	11.1804, 0.2540, 0.1173
Android (android.graphics.Color)	4288151759 (0xFF9800CF)
YUV	69.0460, 68.0113, 72.7507
Hunter-Lab	33.4371, 70.7267, -82.8505

Details

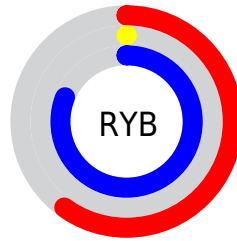
The Yxy color **11.1804, 0.2540, 0.1173** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **45.4493, 0.3109, 0.5913**, and the grayscale version is **5.8495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2554, 0.2781, 0.1579**, and **4.5615, 0.2281, 0.1030** is the 20% darker color. If you saturate the color by 10%, you get **11.1776, 0.2540, 0.1173**, and if you desaturate by 10%, it is **12.2508, 0.2609, 0.1252**.

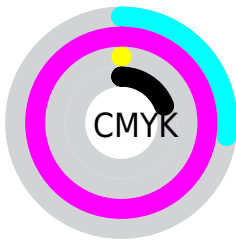
Distribution



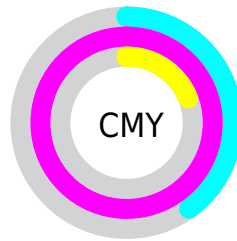
- Red (60%)
- Green (0%)
- Blue (81%)



- Red (60%)
- Yellow (0%)
- Blue (81%)



- Cyan (27%)
- Magenta (100%)
- Yellow (0%)
- Black (19%)





- Cyan (40%)
- Magenta (100%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.1804, 0.2540, 0.1173 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 11.1804, 0.2540, 0.1173 by changing the saturation by 10% instead.


 11.1804, 0.2540,
0.1173


 11.1804, 0.2540,
0.1173


198.9011, 0.2935,
0.2192


 6.1883, 0.2412,
0.0956


 27.9933, 0.2707,
0.1521


 2.9599, 0.2235,
0.0708


 40.5829, 0.2763,
0.1659


 1.1108, 0.1982,
0.0438

 56.4737, 0.2807,
0.1779

 0.0000, 0.1647,
0.0000

 76.0502, 0.2843,
0.1883

 0.0000, 0.1105,
0.0000

 99.6969, 0.2872,
0.1975

 0.0000, 0.0000,
0.0000

 127.7979, 0.2897,

0.2056

160.7379, 0.2917,
0.2128

■ 11.1804, 0.2540,
0.1173

■ 11.1804, 0.2540,
0.1173

■ 11.1776, 0.2540,
0.1173

■ 12.2508, 0.2609,
0.1252

■ 13.9101, 0.2681,
0.1372

■ 16.3494, 0.2753,
0.1539

■ 19.6722, 0.2824,
0.1746

■ 23.9658, 0.2890,
0.1986

■ 29.3070, 0.2952,
0.2246

■ 35.7647, 0.3006,
0.2515

■ 43.4019, 0.3054,
0.2783

■ 52.2767, 0.3094,
0.3044

Harmonies

Analogous

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



11.1804, 0.1244, 0.0899



11.1804, 0.2540, 0.1173



11.1804, 0.4774, 0.1777

Triad

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



11.1804, 0.2540, 0.1173



11.1804, 0.5483, 0.4517



11.1804, 0.0540, 0.2642

Complementary

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



11.1804, 0.2540, 0.1173



45.4493, 0.3109, 0.5913

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.



11.1804, 0.1111, 0.5802



11.1804, 0.2540, 0.1173



11.1804, 0.3823, 0.6177

Square

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



11.1804, 0.2540, 0.1173



11.1804, 0.6661, 0.3339



11.1804, 0.2320, 0.7622



11.1804, 0.0466, 0.1317

Rectangle

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



11.1804, 0.2540, 0.1173



11.1804, 0.6202, 0.2289



11.1804, 0.2320, 0.7622



11.1804, 0.0655, 0.3494

Sweetspot

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



11.1808, 0.2540, 0.1173



56.8637, 0.3004, 0.2504



7.2629, 0.1587, 0.0911



11.1846, 0.2982, 0.2389



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.



11.1808, 0.2540, 0.1173



17.8080, 0.2532, 0.1168



15.7632, 0.3910, 0.1928



11.8443, 0.3096, 0.3058



7.0893, 0.2549, 0.1178



0.4340, 0.2675, 0.1247

Inverse Universe

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



13.5462, 0.5896, 0.3022



21.6751, 0.5926, 0.3038



44.8507, 0.2931, 0.5750



11.8591, 0.3249, 0.3228



8.5454, 0.5862, 0.3003



0.4911, 0.5328, 0.2709

Previews

White Background



This preview shows how the Yxy color 11.1804, 0.2540, 0.1173 looks on a white background.

Color Contrast Check

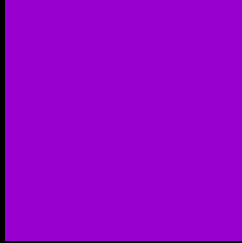
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.1804, 0.2540, 0.1173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

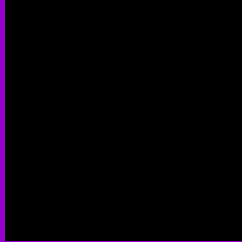
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.1804, 0.2540, 0.1173

Background



This preview shows how black text looks on a background with the Yxy color 11.1804, 0.2540, 0.1173.



This preview shows how white text looks on a background with the Yxy color 11.1804, 0.2540, 0.1173.

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

11.1804, 0.2540, 0.1173

Protanopia

11.7688, 0.1749, 0.1495

Deuteranopia

11.6376, 0.1847, 0.1849



Tritanopia

11.5595, 0.3940, 0.3177

Trichromacy



Original Color

11.1804, 0.2540, 0.1173



Protanomaly

8.0637, 0.1760, 0.1056



Deuteranomaly

7.6764, 0.1817, 0.1178



Tritanomaly

9.6701, 0.3342, 0.2002

Monochromacy



Original Color

11.1804, 0.2540, 0.1173



Achromatopsia

5.9511, 0.3127, 0.3290



Achromatomaly

5.7859, 0.2821, 0.1741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.1804, 0.2540, 0.1173 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(152, 0, 207)` looks like.

```
.text, #text, p{  
    color:rgb(152, 0, 207)  
}
```

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(152, 0, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 0, 207) }
```

Border

The CSS property to change the border of an element to Yxy 11.1804, 0.2540, 0.1173 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(152, 0, 207) }
```

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

```
.border{ border-color:rgb(152, 0, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 0, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 0, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 0, 207);  
box-shadow:4px 4px 4px 4px rgb(152, 0,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 11.1804, 0.2540, 0.1173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 0, 207) }
```

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

```
.background{ background-color: rgb(152, 0,  
207) }
```

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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