

Converting Colors

$Y_{xy}(11.6554, 0.2456, 0.1127)$

Have a look what the booklet for
Yxy(11.6554, 0.2456, 0.1127)
contains.

Yxy(11.6852, 0.2456, 0.1127)	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>	30

Color

Yxy(11.6852, 0.2456, 0.1127)

Conversions

Conversions Part 1

Format	Color
Hex	9800D9
RGB	152, 0, 217
RGB Percent	60%, 0%, 85%
CMY	0.4040, 0.9990, 0.1492
CMYK	0.30, 1.00, 0.00, 0.15
HSL	282°, 100%, 43%
HSV	282°, 100%, 85%
XYZ	25.4648, 11.6852, 66.5341
YIQ	70.1860, 20.9350, 99.7110

Conversions

Conversions Part 2

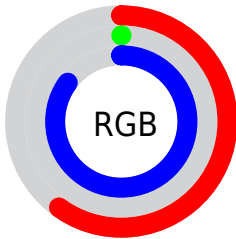
Format	Color
RYB	152, 0, 217
Decimal	9961689
CIELab	40.71, 77.89, -71.94
CIElCh	41, 106.026, 317.274
Yxy	11.6852, 0.2456, 0.1127
Android (android.graphics.Color)	4288151769 (0xFF9800D9)
YUV	70.1860, 72.3793, 71.7509
Hunter-Lab	34.1836, 73.1508, -91.4720

Details

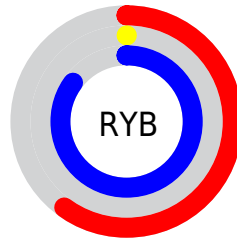
The Yxy color **11.6852, 0.2456, 0.1127** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **50.7396, 0.3135, 0.5892**, and the grayscale version is **6.0550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.5577, 0.2791, 0.1590**, and **4.8485, 0.2179, 0.0974** is the 20% darker color. If you saturate the color by 10%, you get **11.6733, 0.2455, 0.1126**, and if you desaturate by 10%, it is **12.8969, 0.2533, 0.1210**.

Distribution



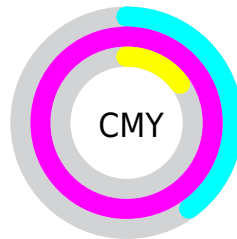
- Red (60%)
- Green (0%)
- Blue (85%)



- Red (60%)
- Yellow (0%)
- Blue (85%)



- Cyan (30%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)




- Cyan (40%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6852, 0.2456, 0.1127 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 11.6852, 0.2456, 0.1127 by changing the saturation by 10% instead.


 11.6852, 0.2456,
0.1127

 11.6852, 0.2456,
0.1127


202.3099, 0.2894,
0.2149


 6.5297, 0.2321,
0.0915


 28.9204, 0.2636,
0.1471


 3.1698, 0.2137,
0.0677


 41.7690, 0.2698,
0.1609


 1.2210, 0.1883,
0.0420

 57.9507, 0.2748,
0.1729

 0.0788, 0.1547,
0.0048

 77.8499, 0.2788,
0.1835

 0.0000, 0.1047,
0.0000

 101.8510, 0.2822,
0.1928

 0.0000, 0.0000,
0.0000

 130.3385, 0.2850,

0.2010

163.6967, 0.2873,
0.2083

■ 11.6852, 0.2456,
0.1127

■ 11.6852, 0.2456,
0.1127

■ 11.6733, 0.2455,
0.1126

■ 12.8969, 0.2533,
0.1210

■ 14.7798, 0.2614,
0.1336

■ 17.5398, 0.2696,
0.1509

■ 21.2936, 0.2776,
0.1724

■ 26.1393, 0.2853,
0.1970

■ 32.1633, 0.2924,
0.2236

■ 39.4430, 0.2987,
0.2510

■ 48.0492, 0.3042,
0.2782

■ 58.0472, 0.3088,
0.3045

Harmonies

Analogous

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



11.6852, 0.1184, 0.0866



11.6852, 0.2456, 0.1127



11.6852, 0.4715, 0.1721

Triad

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



11.6852, 0.2456, 0.1127



11.6852, 0.5555, 0.4445



11.6852, 0.0516, 0.2698

Complementary

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



11.6852, 0.2456, 0.1127



50.7396, 0.3135, 0.5892

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.



11.6852, 0.1098, 0.6015



11.6852, 0.2456, 0.1127



11.6852, 0.3859, 0.6141

Square

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



11.6852, 0.2456, 0.1127



11.6852, 0.6733, 0.3267



11.6852, 0.2312, 0.7688



11.6852, 0.0437, 0.1308

Rectangle

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



11.6852, 0.2456, 0.1127



11.6852, 0.6207, 0.2232



11.6852, 0.2312, 0.7688



11.6852, 0.0633, 0.3600

Sweetspot

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



11.6856, 0.2456, 0.1127



56.4256, 0.2984, 0.2500



8.8199, 0.1606, 0.0982



11.0794, 0.2958, 0.2383



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.



11.6856, 0.2456, 0.1127



16.7472, 0.2449, 0.1123



17.7927, 0.3796, 0.1865



13.0687, 0.3090, 0.3056



7.1263, 0.2466, 0.1132



0.5057, 0.2591, 0.1201

Inverse Universe

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



15.1359, 0.5786, 0.2962



21.7884, 0.5811, 0.2975



49.7874, 0.2948, 0.5812



13.1155, 0.3245, 0.3220



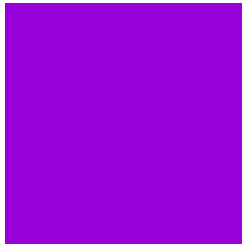
9.1779, 0.5752, 0.2942



0.6096, 0.5283, 0.2684

Previews

White Background



This preview shows how the Yxy color 11.6852, 0.2456, 0.1127 looks on a white background.

Color Contrast Check

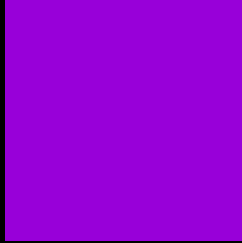
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.6852, 0.2456, 0.1127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

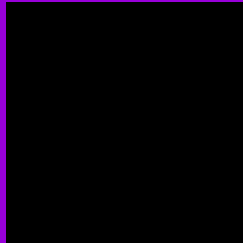
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 11.6852, 0.2456, 0.1127

Background



This preview shows how black text looks on a background with the Yxy color 11.6852, 0.2456, 0.1127.



This preview shows how white text looks on a background with the Yxy color 11.6852, 0.2456, 0.1127.

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

11.6852, 0.2456, 0.1127

Protanopia

12.3079, 0.1749, 0.1494

Deuteranopia

12.1315, 0.1848, 0.1853



Tritanopia

12.0776, 0.3811, 0.3175

Trichromacy



Original Color

11.6852, 0.2456, 0.1127



Protanomaly

8.6059, 0.1748, 0.1046



Deuteranomaly

8.1531, 0.1804, 0.1168



Tritanomaly

9.9334, 0.3223, 0.1943

Monochromacy



Original Color

11.6852, 0.2456, 0.1127



Achromatopsia

6.1246, 0.3127, 0.3290



Achromatomaly

6.0162, 0.2778, 0.1711

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6852, 0.2456, 0.1127 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(152, 0, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 0, 217) }
```

Border

The CSS property to change the border of an element to Yxy 11.6852, 0.2456, 0.1127 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, 217) }
```

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

```
.border{ border-color:rgb(152, 0, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(152, 0,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6852, 0.2456, 0.1127 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, 217) }
```

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

```
.background{ background-color: rgb(152, 0,  
217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor