

# Converting Colors

$Y_{xy}(14.2237, 0.2451, 0.1124)$

Have a look what the booklet for  
Yxy(14.2237, 0.2451, 0.1124)  
contains.

<b>Yxy(14.2214, 0.2452, 0.1125)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(14.2214, 0.2452, 0.1125)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A600ED
RGB	166, 0, 237
RGB Percent	65%, 0%, 93%
CMY	0.3493, 0.9982, 0.0708
CMYK	0.30, 1.00, 0.00, 0.07
HSL	282°, 100%, 47%
HSV	282°, 100%, 93%
XYZ	30.9963, 14.2214, 81.1947
YIQ	76.6520, 22.8590, 108.8990

# Conversions

## Conversions Part 2

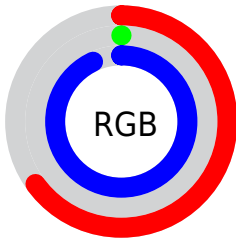
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 0, 237
Decimal	10879213
CIELab	44.55, 83.17, -76.97
CIELCh	45, 113.324, 317.218
Yxy	14.2214, 0.2452, 0.1125
Android (android.graphics.Color)	4289069293 (0xFFA600ED)
YUV	76.6520, 79.0516, 78.3582
Hunter-Lab	37.7113, 80.7212, -101.2572

# Details

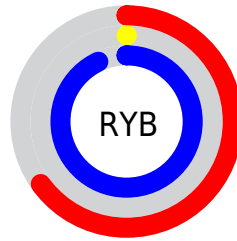
The Yxy color **14.2214, 0.2452, 0.1125** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **61.8986, 0.3133, 0.5893**, and the grayscale version is **7.2491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5303, 0.2933, 0.1683**, and **6.2985, 0.2197, 0.0984** is the 20% darker color. If you saturate the color by 10%, you get **14.1974, 0.2451, 0.1124**, and if you desaturate by 10%, it is **15.6614, 0.2529, 0.1206**.

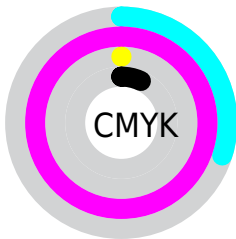
# Distribution



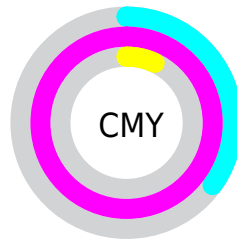
- Red (65%)
- Green (0%)
- Blue (93%)



- Red (65%)
- Yellow (0%)
- Blue (93%)



- Cyan (30%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)




- Cyan (35%)
- Magenta (100%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 14.2214, 0.2452, 0.1125 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 14.2214, 0.2452, 0.1125 by changing the saturation by 10% instead.




 14.2214, 0.2452,  
0.1125


 14.2214, 0.2452,  
0.1125


218.6038, 0.2881,  
0.2111


 8.2748, 0.2326,  
0.0928


 33.4814, 0.2624,  
0.1450


 4.2713, 0.2159,  
0.0707


 47.5635, 0.2685,  
0.1582


 1.8265, 0.1933,  
0.0468


 65.1263, 0.2734,  
0.1698

 0.5036, 0.1627,  
0.0213

 86.5542, 0.2774,  
0.1801

 0.0000, 0.1213,  
0.0000

 112.2314, 0.2807,  
0.1892

 0.0000, 0.0591,  
0.0000

 142.5426, 0.2836,

 0.0000, 0.0000,

0.1973

0.0000

177.8719, 0.2860,  
0.2045

■ 14.2214, 0.2452,  
0.1125

■ 14.2214, 0.2452,  
0.1125

■ 14.1974, 0.2451,  
0.1124

■ 15.6614, 0.2529,  
0.1206

■ 17.9363, 0.2610,  
0.1330

■ 21.2875, 0.2693,  
0.1503

■ 25.8603, 0.2774,  
0.1719

■ 31.7770, 0.2851,  
0.1966

■ 39.1448, 0.2922,  
0.2233

■ 48.0599, 0.2986,  
0.2508

■ 58.6099, 0.3041,  
0.2782

■ 70.8761, 0.3088,  
0.3045

# Harmonies

## Analogous

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



14.2214, 0.1181, 0.0864



14.2214, 0.2452, 0.1125



14.2214, 0.4712, 0.1719

# Triad

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



14.2214, 0.2452, 0.1125



14.2214, 0.5559, 0.4441



14.2214, 0.0515, 0.2701

# Complementary

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



14.2214, 0.2452, 0.1125



61.8986, 0.3133, 0.5893

# 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.



14.2214, 0.1097, 0.6025



14.2214, 0.2452, 0.1125



14.2214, 0.3861, 0.6139

# Square

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



14.2214, 0.2452, 0.1125



14.2214, 0.6736, 0.3264



14.2214, 0.2311, 0.7689



14.2214, 0.0436, 0.1307



# Rectangle

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



14.2214, 0.2452, 0.1125



14.2214, 0.6207, 0.2230



14.2214, 0.2311, 0.7689



14.2214, 0.0632, 0.3606

# Sweetspot

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



14.2219, 0.2452, 0.1125



56.4209, 0.2984, 0.2500



11.1935, 0.1616, 0.1015



11.0783, 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.



14.2219, 0.2452, 0.1125



16.7363, 0.2448, 0.1122



21.8828, 0.3743, 0.1836



15.0736, 0.3090, 0.3054



7.8263, 0.2463, 0.1130



0.6642, 0.2569, 0.1189



# Inverse Universe

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



18.4669, 0.5795, 0.2967



21.7897, 0.5810, 0.2974



60.7237, 0.2957, 0.5844



15.1285, 0.3246, 0.3219



10.0996, 0.5758, 0.2946



0.8095, 0.5364, 0.2729



# Previews

## White Background



This preview shows how the Yxy color 14.2214, 0.2452, 0.1125 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

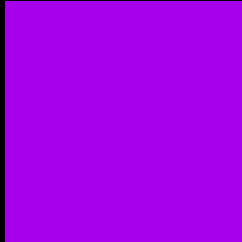
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 14.2214, 0.2452, 0.1125 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 14.2214, 0.2452, 0.1125**

## **Background**



This preview shows how black text looks on a background with the Yxy color 14.2214, 0.2452, 0.1125.



This preview shows how white text looks on a background with the Yxy color 14.2214, 0.2452, 0.1125.

# 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

14.2214, 0.2452, 0.1125

### Protanopia

14.7102, 0.1743, 0.1476

### Deuteranopia

14.7827, 0.1853, 0.1869



## Tritanopia

14.5884, 0.3807, 0.3166

# Trichromacy



## Original Color

14.2214, 0.2452, 0.1125



## Protanomaly

10.2389, 0.1742, 0.1033



## Deuteranomaly

9.7972, 0.1799, 0.1160



## Tritanomaly

11.9092, 0.3206, 0.1926

# Monochromacy



## Original Color

14.2214, 0.2452, 0.1125



## Achromatopsia

7.4214, 0.3127, 0.3290



## Achromatomaly

7.1971, 0.2761, 0.1687

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 14.2214, 0.2452, 0.1125 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(166, 0, 237)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 237)  
}
```

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(166, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 14.2214, 0.2452, 0.1125 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(166, 0, 237) }
```

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

```
.border{ border-color:rgb(166, 0, 237) }
```

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

Here you see how a box with a 4 pixel rgb(166, 0, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(166, 0,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 14.2214, 0.2452, 0.1125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 0, 237) }
```

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

```
.background{ background-color: rgb(166, 0,  
237) }
```

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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