

Converting Colors

$Y_{xy}(12.1957, 0.2236, 0.1015)$

Have a look what the booklet for
Yxy(12.1957, 0.2236, 0.1015)
contains.

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Color

Yxy(12.1957, 0.2236, 0.1015)

Conversions

Conversions Part 1

Format	Color
Hex	9007ED
RGB	144, 7, 237
RGB Percent	56%, 3%, 93%
CMY	0.4353, 0.9727, 0.0704
CMYK	0.39, 0.97, 0.00, 0.07
HSL	276°, 94%, 48%
HSV	276°, 97%, 93%
XYZ	26.8666, 12.1957, 81.0924
YIQ	74.1830, 7.8220, 100.5740

Conversions

Conversions Part 2

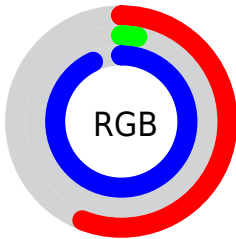
Format	Color
RYB	144, 7, 237
Decimal	9439213
CIELab	41.53, 80.19, -82.11
CIELCh	42, 114.767, 314.322
Yxy	12.1957, 0.2236, 0.1015
Android (android.graphics.Color)	4287629293 (0xFF9007ED)
YUV	74.1830, 80.2688, 61.2295
Hunter-Lab	34.9223, 76.2102, -113.2303

Details

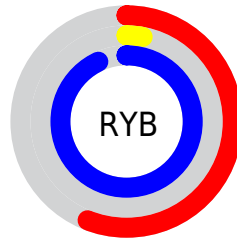
The Yxy color **12.1957, 0.2236, 0.1015** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **63.3191, 0.3252, 0.5785**, and the grayscale version is **6.7312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8547, 0.2727, 0.1573**, and **5.0446, 0.1932, 0.0838** is the 20% darker color. If you saturate the color by 10%, you get **11.7952, 0.2208, 0.0990**, and if you desaturate by 10%, it is **13.9074, 0.2336, 0.1119**.

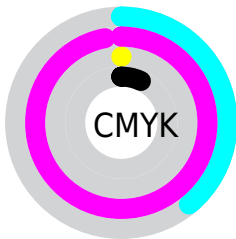
Distribution



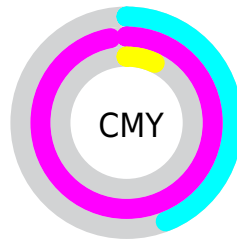
- Red (56%)
- Green (3%)
- Blue (93%)



- Red (56%)
- Yellow (3%)
- Blue (93%)



- Cyan (39%)
- Magenta (97%)
- Yellow (0%)
- Black (7%)





- Cyan (44%)
- Magenta (97%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.1957, 0.2236, 0.1015 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 12.1957, 0.2236, 0.1015 by changing the saturation by 10% instead.


 12.1957, 0.2236,
0.1015


 12.1957, 0.2236,
0.1015


205.6966, 0.2783,
0.2050


 6.8771, 0.2082,
0.0813


 29.8510, 0.2451,
0.1353


 3.3854, 0.1882,
0.0592


 42.9566, 0.2528,
0.1492

 1.3361, 0.1619,
0.0362


 59.4265, 0.2591,
0.1614

 0.1689, 0.1286,
0.0076

 79.6453, 0.2643,
0.1723

 0.0000, 0.0850,
0.0000

 103.9973, 0.2686,
0.1819

 0.0000, 0.0021,
0.0000

 132.8669, 0.2723,

 0.0000, 0.0000,

0.1904

0.0000

166.6386, 0.2755,
0.1981

■ 12.1957, 0.2236,
0.1015

■ 12.1957, 0.2236,
0.1015

■ 11.7952, 0.2208,
0.0990

■ 13.9074, 0.2336,
0.1119

■ 16.5925, 0.2443,
0.1276

■ 20.4305, 0.2553,
0.1482

■ 25.5603, 0.2662,
0.1727

■ 32.1006, 0.2766,
0.2000

■ 40.1563, 0.2862,
0.2285

■ 49.8220, 0.2948,
0.2572

■ 61.1844, 0.3023,
0.2851

■ 74.3239, 0.3088,
0.3115

Harmonies

Analogous

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



12.1957, 0.1035, 0.0787



12.1957, 0.2236, 0.1015



12.1957, 0.4533, 0.1579

Triad

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



12.1957, 0.2236, 0.1015



12.1957, 0.5751, 0.4249



12.1957, 0.0459, 0.2876

Complementary

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



12.1957, 0.2236, 0.1015



63.3191, 0.3252, 0.5785

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.



12.1957, 0.1069, 0.6599



12.1957, 0.2236, 0.1015



12.1957, 0.3976, 0.6024

Square

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



12.1957, 0.2236, 0.1015



12.1957, 0.6915, 0.3085



12.1957, 0.2274, 0.7726



12.1957, 0.0368, 0.1295

Rectangle

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



12.1957, 0.2236, 0.1015



12.1957, 0.6188, 0.2085



12.1957, 0.2274, 0.7726



12.1957, 0.0582, 0.3925

Sweetspot

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



12.1960, 0.2236, 0.1015



56.3105, 0.2932, 0.2514



15.8273, 0.1710, 0.1339



10.9927, 0.2895, 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.



12.1960, 0.2236, 0.1015



13.8828, 0.2204, 0.0988



23.2182, 0.3426, 0.1669



14.9924, 0.3073, 0.3053



6.5156, 0.2223, 0.0998



0.5675, 0.2357, 0.1072

Inverse Universe

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



19.0833, 0.5318, 0.2719



22.2419, 0.5408, 0.2753



60.7140, 0.2986, 0.5930



15.1550, 0.3229, 0.3195



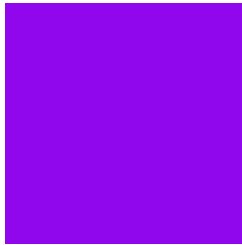
10.3138, 0.5357, 0.2725



0.8285, 0.4992, 0.2524

Previews

White Background



This preview shows how the Yxy color 12.1957, 0.2236, 0.1015 looks on a white background.

Color Contrast Check

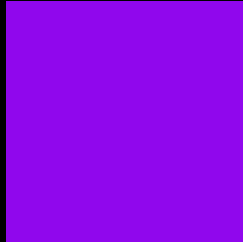
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1957, 0.2236, 0.1015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

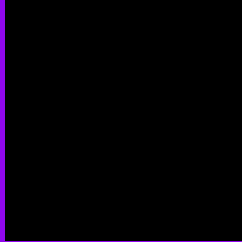
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1957, 0.2236, 0.1015

Background



This preview shows how black text looks on a background with the Yxy color 12.1957, 0.2236, 0.1015.



This preview shows how white text looks on a background with the Yxy color 12.1957, 0.2236, 0.1015.

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

12.1957, 0.2236, 0.1015

Protanopia

12.5828, 0.1748, 0.1494

Deuteranopia

12.5199, 0.1859, 0.1894



Tritanopia

12.4618, 0.3385, 0.3144

Trichromacy



Original Color

12.1957, 0.2236, 0.1015



Protanomaly

9.2519, 0.1724, 0.1037



Deuteranomaly

8.7299, 0.1777, 0.1159



Tritanomaly

10.0829, 0.2833, 0.1804

Monochromacy



Original Color

12.1957, 0.2236, 0.1015



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

6.6273, 0.2626, 0.1654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1957, 0.2236, 0.1015 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(144, 7, 237)` looks like.

```
.text, #text, p{  
  color:rgb(144, 7, 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(144, 7, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 7, 237) }
```

Border

The CSS property to change the border of an element to Yxy 12.1957, 0.2236, 0.1015 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(144, 7, 237) }
```

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

```
.border{ border-color:rgb(144, 7, 237) }
```

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

Here you see how a box with a 4 pixel rgb(144, 7, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 7, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 7, 237);  
box-shadow:4px 4px 4px 4px rgb(144, 7,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1957, 0.2236, 0.1015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 7, 237) }
```

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

```
.background{ background-color: rgb(144, 7,  
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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