

Converting Colors

$Y_{xy}(12.2952, 0.2259, 0.1018)$

Have a look what the booklet for
Yxy(12.2952, 0.2259, 0.1018)
contains.

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Color

Yxy(12.3175, 0.2263, 0.1021)

Conversions

Conversions Part 1

Format	Color
Hex	9301ED
RGB	147, 1, 237
RGB Percent	58%, 0%, 93%
CMY	0.4239, 0.9980, 0.0708
CMYK	0.38, 1.00, 0.00, 0.07
HSL	277°, 100%, 47%
HSV	277°, 100%, 93%
XYZ	27.3012, 12.3175, 81.0229
YIQ	71.5580, 11.2600, 104.3480

Conversions

Conversions Part 2

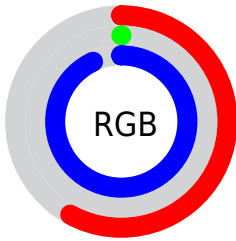
Format	Color
RYB	147, 1, 237
Decimal	9634285
CIELab	41.72, 81.12, -81.73
CIELCh	42, 115.153, 314.788
Yxy	12.3175, 0.2263, 0.1021
Android (android.graphics.Color)	4287824365 (0xFF9301ED)
YUV	71.5580, 81.5629, 66.1626
Hunter-Lab	35.0963, 77.4355, -112.3087

Details

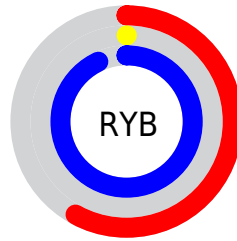
The Yxy color **12.3175, 0.2263, 0.1021** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark washed purple. A complement of this color would be **62.7434, 0.3211, 0.5832**, and the grayscale version is **6.2019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1269, 0.2754, 0.1579**, and **5.1801, 0.1962, 0.0854** is the 20% darker color. If you saturate the color by 10%, you get **12.2888, 0.2261, 0.1019**, and if you desaturate by 10%, it is **13.8351, 0.2357, 0.1113**.

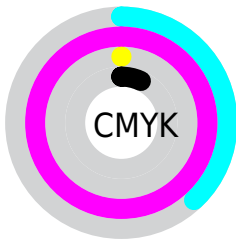
Distribution



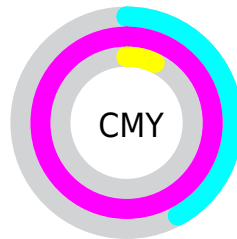
- Red (58%)
- Green (0%)
- Blue (93%)



- Red (58%)
- Yellow (0%)
- Blue (93%)



- Cyan (38%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)





- Cyan (42%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3175, 0.2263, 0.1021 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 12.3175, 0.2263, 0.1021 by changing the saturation by 10% instead.

 12.3175, 0.2263,
0.1021


 12.3175, 0.2263,
0.1021


206.4960, 0.2796,
0.2053


 6.9603, 0.2112,
0.0820


 30.0721, 0.2473,
0.1358


 3.4373, 0.1915,
0.0598


 43.2382, 0.2548,
0.1496


 1.3641, 0.1656,
0.0368


 59.7761, 0.2609,
0.1619

 0.1900, 0.1325,
0.0085

 80.0702, 0.2660,
0.1726

 0.0000, 0.0888,
0.0000

 104.5048, 0.2702,
0.1822

 0.0000, 0.0087,
0.0000

 133.4644, 0.2738,

 0.0000, 0.0000,

0.1908

0.0000

167.3334, 0.2769,
0.1984

■ 12.3175, 0.2263,
0.1021

■ 12.3175, 0.2263,
0.1021

■ 12.2888, 0.2261,
0.1019

■ 13.8351, 0.2357,
0.1113

■ 16.2126, 0.2457,
0.1251

■ 19.6912, 0.2561,
0.1440

■ 24.4169, 0.2665,
0.1671

■ 30.5127, 0.2764,
0.1934

■ 38.0864, 0.2856,
0.2213

■ 47.2346, 0.2940,
0.2498

■ 58.0459, 0.3013,
0.2778

■ 70.6018, 0.3075,
0.3045

Harmonies

Analogous

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



12.3175, 0.1047, 0.0788



12.3175, 0.2263, 0.1021



12.3175, 0.4575, 0.1590

Triad

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



12.3175, 0.2263, 0.1021



12.3175, 0.5727, 0.4273



12.3175, 0.0454, 0.2835

Complementary

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



12.3175, 0.2263, 0.1021



62.7434, 0.3211, 0.5832

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.



12.3175, 0.1053, 0.6541



12.3175, 0.2263, 0.1021



12.3175, 0.3946, 0.6054

Square

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



12.3175, 0.2263, 0.1021



12.3175, 0.6903, 0.3097



12.3175, 0.2253, 0.7747



12.3175, 0.0369, 0.1282

Rectangle

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



12.3175, 0.2263, 0.1021



12.3175, 0.6219, 0.2097



12.3175, 0.2253, 0.7747



12.3175, 0.0575, 0.3869

Sweetspot

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



12.3179, 0.2263, 0.1021



55.4076, 0.2937, 0.2488



13.6223, 0.1665, 0.1191



10.8362, 0.2903, 0.2368



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.



12.3179, 0.2263, 0.1021



14.4784, 0.2258, 0.1017



22.6292, 0.3532, 0.1720



15.0107, 0.3077, 0.3053



6.7899, 0.2276, 0.1027



0.5881, 0.2404, 0.1098

Inverse Universe

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



18.7551, 0.5489, 0.2799



22.1250, 0.5505, 0.2806



60.6286, 0.2980, 0.5926



15.1490, 0.3233, 0.3201



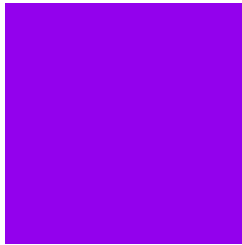
10.2588, 0.5452, 0.2777



0.8238, 0.5078, 0.2571

Previews

White Background



This preview shows how the Yxy color 12.3175, 0.2263, 0.1021 looks on a white background.

Color Contrast Check

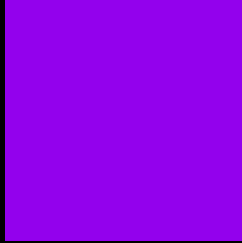
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3175, 0.2263, 0.1021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

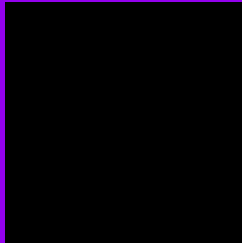
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3175, 0.2263, 0.1021

Background



This preview shows how black text looks on a background with the Yxy color 12.3175, 0.2263, 0.1021.



This preview shows how white text looks on a background with the Yxy color 12.3175, 0.2263, 0.1021.

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

12.3392, 0.2264, 0.1022

Protanopia

12.8612, 0.1748, 0.1494

Deuteranopia

12.7956, 0.1858, 0.1889



Tritanopia

12.6707, 0.3433, 0.3147

Trichromacy



Original Color

12.3392, 0.2264, 0.1022



Protanomaly

9.1084, 0.1721, 0.1014



Deuteranomaly

8.7305, 0.1774, 0.1138



Tritanomaly

9.9971, 0.2876, 0.1783

Monochromacy



Original Color

12.3392, 0.2264, 0.1022



Achromatopsia

6.3010, 0.3127, 0.3290



Achromatomaly

6.1681, 0.2646, 0.1603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3175, 0.2263, 0.1021 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(147, 1, 237)` looks like.

```
.text, #text, p{  
  color:rgb(147, 1, 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(147, 1, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 1, 237) }
```

Border

The CSS property to change the border of an element to Yxy 12.3175, 0.2263, 0.1021 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(147, 1, 237) }
```

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

```
.border{ border-color:rgb(147, 1, 237) }
```

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

Here you see how a box with a 4 pixel rgb(147, 1, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 1, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 1, 237);  
box-shadow:4px 4px 4px 4px rgb(147, 1,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3175, 0.2263, 0.1021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 1, 237) }
```

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

```
.background{ background-color: rgb(147, 1,  
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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