

Converting Colors

$Y_{xy}(12.6233, 0.2504, 0.1222)$

Have a look what the booklet for
Yxy(12.6233, 0.2504, 0.1222)
contains.

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Color

Yxy(12.6536, 0.2511, 0.1225)

Conversions

Conversions Part 1

Format	Color
Hex	9A1ED6
RGB	154, 30, 214
RGB Percent	60%, 12%, 84%
CMY	0.3959, 0.8828, 0.1607
CMYK	0.28, 0.86, 0.00, 0.16
HSL	280°, 75%, 48%
HSV	280°, 86%, 84%
XYZ	25.9373, 12.6536, 64.7038
YIQ	88.0520, 14.8400, 83.5120

Conversions

Conversions Part 2

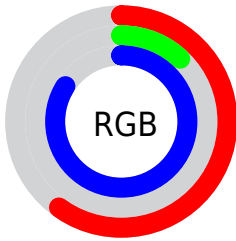
Format	Color
RYB	154, 30, 214
Decimal	10100438
CIELab	42.24, 73.29, -67.74
CIElCh	42, 99.802, 317.256
Yxy	12.6536, 0.2511, 0.1225
Android (android.graphics.Color)	4288290518 (0xFF9A1ED6)
YUV	88.0520, 62.0924, 57.8364
Hunter-Lab	35.5719, 67.9027, -82.9457

Details

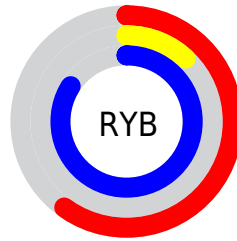
The Yxy color **12.6536, 0.2511, 0.1225** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **50.3600, 0.3226, 0.5704**, and the grayscale version is **9.6194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3715, 0.2804, 0.1664**, and **4.9015, 0.2245, 0.1010** is the 20% darker color. If you saturate the color by 10%, you get **11.2510, 0.2427, 0.1125**, and if you desaturate by 10%, it is **14.8282, 0.2599, 0.1375**.

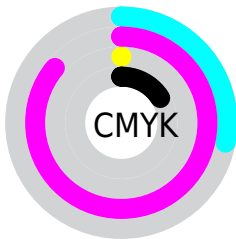
Distribution



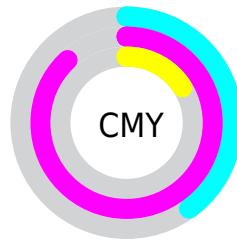
- Red (60%)
- Green (12%)
- Blue (84%)



- Red (60%)
- Yellow (12%)
- Blue (84%)



- Cyan (28%)
- Magenta (86%)
- Yellow (0%)
- Black (16%)




- Cyan (40%)
- Magenta (88%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6536, 0.2511, 0.1225 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 12.6536, 0.2511, 0.1225 by changing the saturation by 10% instead.


 12.6536, 0.2511,
0.1225


 12.6536, 0.2511,
0.1225


208.6856, 0.2912,
0.2212


 7.1905, 0.2386,
0.1015


 30.6800, 0.2677,
0.1561


 3.5815, 0.2215,
0.0773


 44.0121, 0.2733,
0.1695


 1.4423, 0.1974,
0.0505

 60.7360, 0.2779,
0.1811

 0.2476, 0.1646,
0.0153

 81.2360, 0.2816,
0.1912

 0.0000, 0.1157,
0.0000

 105.8966, 0.2846,
0.2001

 0.0000, 0.0000,
0.0000

 135.1021, 0.2872,

0.2080

169.2369, 0.2894,
0.2150

■ 12.6536, 0.2511,
0.1225

■ 12.6536, 0.2511,
0.1225

■ 11.2510, 0.2427,
0.1125

■ 14.8282, 0.2599,
0.1375

■ 10.8143, 0.2394,
0.1093

■ 17.9042, 0.2688,
0.1570

■ 21.9869, 0.2775,
0.1804

■ 27.1665, 0.2856,
0.2063

■ 33.5229, 0.2930,
0.2337

■ 41.1285, 0.2996,
0.2614

■ 50.0497, 0.3053,
0.2884

■ 60.3482, 0.3102,
0.3142

■ 72.0816, 0.3142,
0.3384

Harmonies

Analogous

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



12.6536, 0.1278, 0.0962



12.6536, 0.2511, 0.1225



12.6536, 0.4607, 0.1814

Triad

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



12.6536, 0.2511, 0.1225



12.6536, 0.5502, 0.4498



12.6536, 0.0632, 0.2785

Complementary

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



12.6536, 0.2511, 0.1225



50.3600, 0.3226, 0.5704

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.



12.6536, 0.1256, 0.5760



12.6536, 0.2511, 0.1225



12.6536, 0.3948, 0.6052

Square

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



12.6536, 0.2511, 0.1225



12.6536, 0.6606, 0.3394



12.6536, 0.2471, 0.7324



12.6536, 0.0528, 0.1427

Rectangle

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



12.6536, 0.2511, 0.1225



12.6536, 0.5986, 0.2323



12.6536, 0.2471, 0.7324



12.6536, 0.0764, 0.3618

Sweetspot

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



12.6541, 0.2511, 0.1225



60.8790, 0.2995, 0.2608



12.6571, 0.1743, 0.1342



12.1405, 0.2973, 0.2511



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.



12.6541, 0.2511, 0.1225



15.9864, 0.2387, 0.1088



18.6537, 0.3603, 0.1827



12.4206, 0.3086, 0.3057



6.5940, 0.2406, 0.1099



0.4416, 0.2548, 0.1177

Inverse Universe

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



15.9568, 0.5258, 0.2793



21.8851, 0.5719, 0.2924



48.7076, 0.2937, 0.5628



12.4868, 0.3240, 0.3214



8.9231, 0.5655, 0.2889



0.5532, 0.5163, 0.2618

Previews

White Background



This preview shows how the Yxy color 12.6536, 0.2511, 0.1225 looks on a white background.

Color Contrast Check

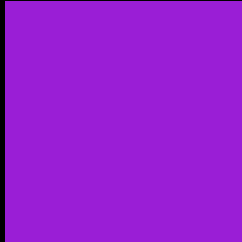
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6536, 0.2511, 0.1225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

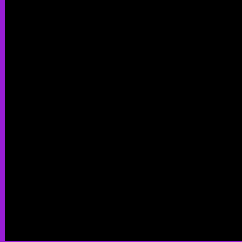
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6536, 0.2511, 0.1225

Background



This preview shows how black text looks on a background with the Yxy color 12.6536, 0.2511, 0.1225.



This preview shows how white text looks on a background with the Yxy color 12.6536, 0.2511, 0.1225.

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

12.6536, 0.2511, 0.1225

Protanopia

12.9090, 0.1746, 0.1485

Deuteranopia

12.9148, 0.1848, 0.1852



Tritanopia

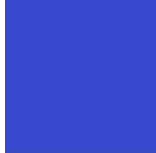
12.6929, 0.3797, 0.3158

Trichromacy



Original Color

12.6536, 0.2511, 0.1225



Protanomaly

10.1599, 0.1783, 0.1176



Deuteranomaly

9.7712, 0.1844, 0.1323



Tritanomaly

11.3941, 0.3230, 0.2101

Monochromacy



Original Color

12.6536, 0.2511, 0.1225



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.1803, 0.2836, 0.2004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6536, 0.2511, 0.1225 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(154, 30, 214)` looks like.

```
.text, #text, p{  
    color:rgb(154, 30, 214)  
}
```

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(154, 30, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 30, 214) }
```

Border

The CSS property to change the border of an element to Yxy 12.6536, 0.2511, 0.1225 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(154, 30, 214) }
```

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

```
.border{ border-color:rgb(154, 30, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 30, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 30, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 30, 214);  
box-shadow:4px 4px 4px 4px rgb(154, 30,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6536, 0.2511, 0.1225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 30, 214) }
```

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

```
.background{ background-color: rgb(154, 30,  
214) }
```

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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