

Converting Colors

$Y_{xy}(12.2083, 0.2556, 0.1181)$

Have a look what the booklet for
Yxy(12.2083, 0.2556, 0.1181)
contains.

Yxy(12.2260, 0.2560, 0.1184)	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>	29

Color

Yxy(12.2260, 0.2560, 0.1184)

Conversions

Conversions Part 1

Format	Color
Hex	9F00D6
RGB	159, 0, 214
RGB Percent	62%, 0%, 84%
CMY	0.3765, 0.9998, 0.1607
CMYK	0.26, 1.00, 0.00, 0.16
HSL	285°, 100%, 42%
HSV	285°, 100%, 84%
XYZ	26.4346, 12.2260, 64.5995
YIQ	71.9370, 26.0700, 100.2620

Conversions

Conversions Part 2

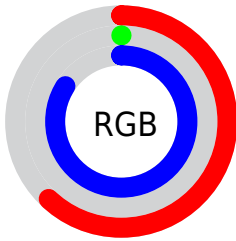
Format	Color
RYB	159, 0, 214
Decimal	10420438
CIELab	41.57, 78.21, -68.79
CIELCh	42, 104.162, 318.667
Yxy	12.2260, 0.2560, 0.1184
Android (android.graphics.Color)	4288610518 (0xFF9F00D6)
YUV	71.9370, 70.0371, 76.3543
Hunter-Lab	34.9657, 73.7587, -85.0630

Details

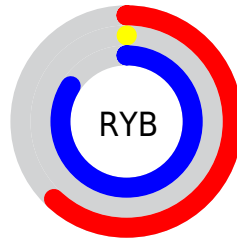
The Yxy color **12.2260, 0.2560, 0.1184** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **48.9197, 0.3102, 0.5919**, and the grayscale version is **6.3498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.7771, 0.2857, 0.1628**, and **5.1779, 0.2316, 0.1049** is the 20% darker color. If you saturate the color by 10%, you get **12.2234, 0.2560, 0.1184**, and if you desaturate by 10%, it is **13.3541, 0.2627, 0.1261**.

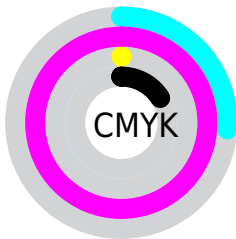
Distribution



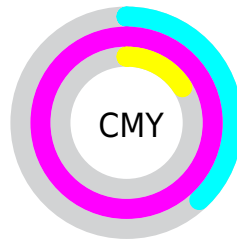
- Red (62%)
- Green (0%)
- Blue (84%)



- Red (62%)
- Yellow (0%)
- Blue (84%)



- Cyan (26%)
- Magenta (100%)
- Yellow (0%)
- Black (16%)




- Cyan (38%)
- Magenta (100%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2260, 0.2560, 0.1184 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 12.2260, 0.2560, 0.1184 by changing the saturation by 10% instead.


 12.2260, 0.2560,
0.1184


 12.2260, 0.2560,
0.1184


205.8958, 0.2940,
0.2184


 6.8978, 0.2439,
0.0973


 29.9061, 0.2719,
0.1523


 3.3983, 0.2272,
0.0733


 43.0267, 0.2773,
0.1658


 1.3430, 0.2035,
0.0470

 59.5136, 0.2816,
0.1776

 0.1741, 0.1714,
0.0108

 79.7511, 0.2850,
0.1879

 0.0000, 0.1219,
0.0000

 104.1237, 0.2879,
0.1969

 0.0000, 0.0000,
0.0000

 133.0158, 0.2903,

0.2049

166.8117, 0.2923,
0.2121

■ 12.2260, 0.2560,
0.1184

■ 12.2260, 0.2560,
0.1184

■ 12.2234, 0.2560,
0.1184

■ 13.3541, 0.2627,
0.1261

■ 15.1195, 0.2696,
0.1378

■ 17.7252, 0.2766,
0.1543

■ 21.2838, 0.2835,
0.1749

■ 25.8902, 0.2899,
0.1987

■ 31.6277, 0.2958,
0.2246

■ 38.5711, 0.3011,
0.2514

■ 46.7887, 0.3057,
0.2783

■ 56.3436, 0.3095,
0.3043

Harmonies

Analogous

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



12.2260, 0.1259, 0.0907



12.2260, 0.2560, 0.1184



12.2260, 0.4787, 0.1791

Triad

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



12.2260, 0.2560, 0.1184



12.2260, 0.5466, 0.4534



12.2260, 0.0546, 0.2629

Complementary

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



12.2260, 0.2560, 0.1184



48.9197, 0.3102, 0.5919

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.



12.2260, 0.1114, 0.5753



12.2260, 0.2560, 0.1184



12.2260, 0.3814, 0.6186

Square

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



12.2260, 0.2560, 0.1184



12.2260, 0.6645, 0.3355



12.2260, 0.2310, 0.7566



12.2260, 0.0473, 0.1319

Rectangle

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



12.2260, 0.2560, 0.1184



12.2260, 0.6201, 0.2303



12.2260, 0.2310, 0.7566



12.2260, 0.0661, 0.3470

Sweetspot

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



12.2264, 0.2560, 0.1184



56.9768, 0.3009, 0.2505



7.7946, 0.1586, 0.0908



11.2117, 0.2988, 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.



12.2264, 0.2560, 0.1184



18.0900, 0.2554, 0.1180



16.9848, 0.3912, 0.1929



12.4645, 0.3097, 0.3057



7.4387, 0.2570, 0.1189



0.4873, 0.2685, 0.1253

Inverse Universe

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



14.5777, 0.5929, 0.3040



21.6486, 0.5953, 0.3053



48.3350, 0.2932, 0.5753



12.4727, 0.3251, 0.3230



8.8226, 0.5893, 0.3020



0.5457, 0.5394, 0.2745

Previews

White Background



This preview shows how the Yxy color 12.2260, 0.2560, 0.1184 looks on a white background.

Color Contrast Check

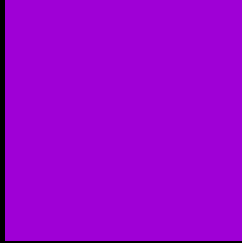
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2260, 0.2560, 0.1184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

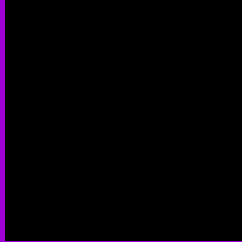
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.2260, 0.2560, 0.1184

Background



This preview shows how black text looks on a background with the Yxy color 12.2260, 0.2560, 0.1184.



This preview shows how white text looks on a background with the Yxy color 12.2260, 0.2560, 0.1184.

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

12.2260, 0.2560, 0.1184

Deuteranopia

12.6771, 0.1846, 0.1844

Tritanopia

12.5678, 0.3965, 0.3181

Trichromacy



Original Color

12.2260, 0.2560, 0.1184



Deuteranomaly

8.3978, 0.1822, 0.1183



Tritanomaly

10.4065, 0.3371, 0.2005

Monochromacy



Original Color

12.2260, 0.2560, 0.1184



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

6.3523, 0.2834, 0.1744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2260, 0.2560, 0.1184 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(159, 0, 214)` looks like.

```
.text, #text, p{  
    color:rgb(159, 0, 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(159, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 0, 214) }
```

Border

The CSS property to change the border of an element to Yxy 12.2260, 0.2560, 0.1184 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(159, 0, 214) }
```

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

```
.border{ border-color:rgb(159, 0, 214) }
```

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

Here you see how a box with a 4 pixel rgb(159, 0, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(159, 0,  
214) }
```

Background

The CSS property to change the background color of an element to Yxy 12.2260, 0.2560, 0.1184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 0, 214) }
```

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

```
.background{ background-color: rgb(159, 0,  
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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