

Converting Colors

$Yxy(14.0828, 0.2608, 0.1210)$

Have a look what the booklet for
Yxy(14.0828, 0.2608, 0.1210)
contains.

Yxy(14.0397, 0.2609, 0.1211)	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>	30

Color

Yxy(14.0397, 0.2609, 0.1211)

Conversions

Conversions Part 1

Format	Color
Hex	AB00E0
RGB	171, 0, 224
RGB Percent	67%, 0%, 88%
CMY	0.3295, 0.9997, 0.1215
CMYK	0.24, 1.00, 0.00, 0.12
HSL	286°, 100%, 44%
HSV	286°, 100%, 88%
XYZ	30.2474, 14.0397, 71.6477
YIQ	76.6650, 30.0120, 105.9160

Conversions

Conversions Part 2

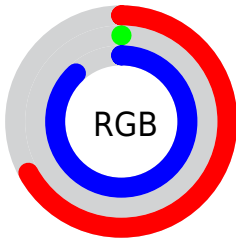
Format	Color
RYB	171, 0, 224
Decimal	11206880
CIELab	44.29, 81.50, -70.01
CIELCh	44, 107.438, 319.335
Yxy	14.0397, 0.2609, 0.1211
Android (android.graphics.Color)	4289396960 (0xFFAB00E0)
YUV	76.6650, 72.6362, 82.7318
Hunter-Lab	37.4696, 78.5226, -87.1430

Details

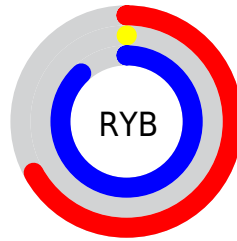
The Yxy color **14.0397, 0.2609, 0.1211** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **54.0799, 0.3086, 0.5932**, and the grayscale version is **7.2237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1884, 0.2971, 0.1700**, and **6.2348, 0.2399, 0.1095** is the 20% darker color. If you saturate the color by 10%, you get **14.0365, 0.2609, 0.1211**, and if you desaturate by 10%, it is **15.2386, 0.2671, 0.1283**.

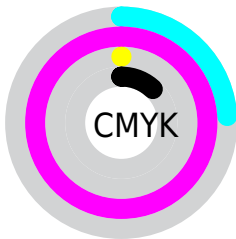
Distribution



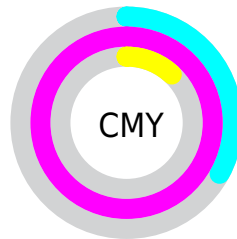
- Red (67%)
- Green (0%)
- Blue (88%)



- Red (67%)
- Yellow (0%)
- Blue (88%)



- Cyan (24%)
- Magenta (100%)
- Yellow (0%)
- Black (12%)




- Cyan (33%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.0397, 0.2609, 0.1211 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 14.0397, 0.2609, 0.1211 by changing the saturation by 10% instead.


 14.0397, 0.2609,
0.1211


 14.0397, 0.2609,
0.1211


217.4777, 0.2956,
0.2180


 8.1483, 0.2500,
0.1010


 33.1595, 0.2754,
0.1536

 4.1900, 0.2350,
0.0780


 47.1566, 0.2803,
0.1667

 1.7804, 0.2140,
0.0525


 64.6244, 0.2842,
0.1781

 0.4749, 0.1843,
0.0239

 85.9473, 0.2874,
0.1881

 0.0000, 0.1415,
0.0000

 111.5097, 0.2900,
0.1969

 0.0000, 0.0659,
0.0000

 141.6959, 0.2922,

 0.0000, 0.0000,

0.2047

0.0000

176.8905, 0.2941,
0.2117

■ 14.0397, 0.2609,
0.1211

■ 14.0397, 0.2609,
0.1211

■ 14.0365, 0.2609,
0.1211

■ 15.2386, 0.2671,
0.1283

■ 17.1459, 0.2735,
0.1396

■ 19.9825, 0.2799,
0.1556

■ 23.8748, 0.2862,
0.1758

■ 28.9289, 0.2921,
0.1992

■ 35.2382, 0.2975,
0.2248

■ 42.8861, 0.3023,
0.2515

■ 51.9490, 0.3064,
0.2783

■ 62.4974, 0.3099,
0.3043

Harmonies

Analogous

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



14.0397, 0.1295, 0.0927



14.0397, 0.2609, 0.1211



14.0397, 0.4820, 0.1823

Triad

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



14.0397, 0.2609, 0.1211



14.0397, 0.5425, 0.4575



14.0397, 0.0560, 0.2598

Complementary

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



14.0397, 0.2609, 0.1211



54.0799, 0.3086, 0.5932

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.



14.0397, 0.1121, 0.5634



14.0397, 0.2609, 0.1211



14.0397, 0.3793, 0.6207

Square

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



14.0397, 0.2609, 0.1211



14.0397, 0.6603, 0.3397



14.0397, 0.2296, 0.7468



14.0397, 0.0491, 0.1324

Rectangle

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



14.0397, 0.2609, 0.1211



14.0397, 0.6197, 0.2336



14.0397, 0.2296, 0.7468



14.0397, 0.0673, 0.3412

Sweetspot

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



14.0402, 0.2609, 0.1211



57.2445, 0.3021, 0.2508



8.2176, 0.1575, 0.0870



11.2761, 0.3002, 0.2394



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.



14.0402, 0.2609, 0.1211



18.7702, 0.2605, 0.1208



18.6798, 0.3974, 0.1963



13.7635, 0.3100, 0.3056



8.2240, 0.2618, 0.1216



0.6100, 0.2713, 0.1268

Inverse Universe

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



16.1096, 0.5998, 0.3078



21.5904, 0.6015, 0.3087



53.6064, 0.2924, 0.5725



13.7535, 0.3255, 0.3235



9.3891, 0.5962, 0.3058



0.6647, 0.5526, 0.2818

Previews

White Background



This preview shows how the Yxy color 14.0397, 0.2609, 0.1211 looks on a white background.

Color Contrast Check

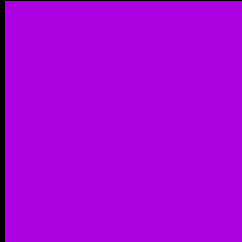
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.0397, 0.2609, 0.1211 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 14.0397, 0.2609, 0.1211

Background



This preview shows how black text looks on a background with the Yxy color 14.0397, 0.2609, 0.1211.



This preview shows how white text looks on a background with the Yxy color 14.0397, 0.2609, 0.1211.

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

14.0397, 0.2609, 0.1211

Protanopia

14.7102, 0.1743, 0.1476

Deuteranopia

14.6114, 0.1844, 0.1839



Tritanopia

14.3669, 0.4057, 0.3190

Trichromacy



Original Color

14.0397, 0.2609, 0.1211



Protanomaly

10.0879, 0.1761, 0.1054



Deuteranomaly

9.5446, 0.1818, 0.1175



Tritanomaly

12.0205, 0.3457, 0.2045

Monochromacy



Original Color

14.0397, 0.2609, 0.1211



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.1878, 0.2866, 0.1763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0397, 0.2609, 0.1211 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(171, 0, 224)` looks like.

```
.text, #text, p{  
  color:rgb(171, 0, 224)  
}
```

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(171, 0, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 224) }
```

Border

The CSS property to change the border of an element to Yxy 14.0397, 0.2609, 0.1211 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(171, 0, 224) }
```

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

```
.border{ border-color:rgb(171, 0, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 0, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(171, 0,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 14.0397, 0.2609, 0.1211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 224) }
```

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

```
.background{ background-color: rgb(171, 0,  
224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor