

Converting Colors

$Yxy(17.2910, 0.2653, 0.1235)$

Have a look what the booklet for
Yxy(17.2910, 0.2653, 0.1235)
contains.

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Color

Yxy(17.2296, 0.2651, 0.1234)

Conversions

Conversions Part 1

Format	Color
Hex	BD00F2
RGB	189, 0, 242
RGB Percent	74%, 0%, 95%
CMY	0.2588, 1.0000, 0.0510
CMYK	0.22, 1.00, 0.00, 0.05
HSL	287°, 100%, 47%
HSV	287°, 100%, 95%
XYZ	37.0143, 17.2296, 85.3801
YIQ	84.0990, 34.9620, 115.3300

Conversions

Conversions Part 2

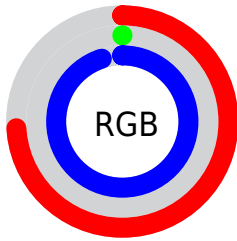
Format	Color
R_{YB}	189, 0, 242
Decimal	12386546
CIE _{Lab}	48.55, 86.91, -73.14
CIE _{LCh}	49, 113.586, 319.916
Yxy	17.2296, 0.2651, 0.1234
Android (android.graphics.Color)	4290576626 (0xFFBD00F2)
YUV	84.0990, 77.8452, 91.9982
Hunter-Lab	41.5086, 86.5334, -92.8992

Details

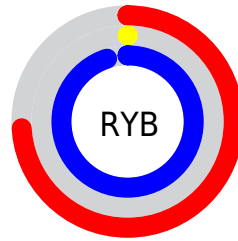
The Yxy color **17.2296, 0.2651, 0.1234** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **64.2619, 0.3072, 0.5943**, and the grayscale version is **8.7192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3727, 0.3149, 0.1814**, and **8.1699, 0.2456, 0.1127** is the 20% darker color. If you saturate the color by 10%, you get **17.2307, 0.2651, 0.1234**, and if you desaturate by 10%, it is **18.5825, 0.2709, 0.1301**.

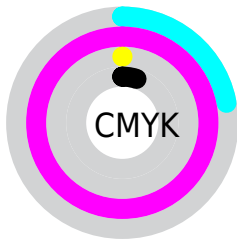
Distribution



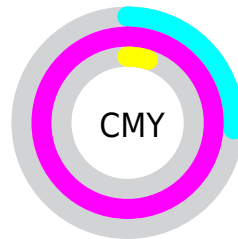
- Red (74%)
- Green (0%)
- Blue (95%)



- Red (74%)
- Yellow (0%)
- Blue (95%)



- Cyan (22%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)



- Cyan (26%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2296, 0.2651, 0.1234 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 17.2296, 0.2651, 0.1234 by changing the saturation by 10% instead.


 17.2296, 0.2651,
0.1234


 17.2296, 0.2651,
0.1234


236.4920, 0.2967,
0.2161


 10.3983, 0.2555,
0.1046


 38.7201, 0.2781,
0.1540


 5.6639, 0.2425,
0.0832


 54.1481, 0.2825,
0.1665


 2.6418, 0.2245,
0.0595


 73.2106, 0.2861,
0.1774

 0.9477, 0.1991,
0.0347

 96.2917, 0.2891,
0.1870

 0.0000, 0.1649,
0.0000

 123.7761, 0.2915,
0.1955

 0.0000, 0.1128,
0.0000

 156.0480, 0.2935,

 0.0000, 0.0000,

0.2031

0.0000

193.4918, 0.2953,
0.2100

■ 17.2296, 0.2651,
0.1234

■ 17.2296, 0.2651,
0.1234

■ 17.2307, 0.2651,
0.1234

■ 18.5825, 0.2709,
0.1301

■ 20.7829, 0.2768,
0.1409

■ 24.0894, 0.2827,
0.1564

■ 28.6553, 0.2885,
0.1762

■ 34.6094, 0.2939,
0.1993

■ 42.0646, 0.2989,
0.2247

■ 51.1218, 0.3032,
0.2513

■ 61.8732, 0.3070,
0.2780

■ 74.4040, 0.3101,
0.3041

Harmonies

Analogous

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



17.2296, 0.1325, 0.0944



17.2296, 0.2651, 0.1234



17.2296, 0.4848, 0.1851

Triad

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



17.2296, 0.2651, 0.1234



17.2296, 0.5390, 0.4610



17.2296, 0.0572, 0.2572

Complementary

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



17.2296, 0.2651, 0.1234



64.2619, 0.3072, 0.5943

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.



17.2296, 0.1125, 0.5536



17.2296, 0.2651, 0.1234



17.2296, 0.3775, 0.6225

Square

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



17.2296, 0.2651, 0.1234



17.2296, 0.6569, 0.3431



17.2296, 0.2286, 0.7397



17.2296, 0.0506, 0.1328

Rectangle

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



17.2296, 0.2651, 0.1234



17.2296, 0.6194, 0.2364



17.2296, 0.2286, 0.7397



17.2296, 0.0683, 0.3364

Sweetspot

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



17.2307, 0.2651, 0.1234



57.4802, 0.3032, 0.2511



9.2847, 0.1565, 0.0832



11.3329, 0.3014, 0.2398



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.



17.2307, 0.2651, 0.1234



19.3840, 0.2649, 0.1233



22.0705, 0.4039, 0.1999



15.8466, 0.3103, 0.3055



9.3189, 0.2660, 0.1239



0.8179, 0.2736, 0.1281

Inverse Universe

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



19.1345, 0.6059, 0.3112



21.5440, 0.6065, 0.3115



63.8814, 0.2916, 0.5698



15.8155, 0.3259, 0.3239



10.2956, 0.6022, 0.3091



0.8709, 0.5662, 0.2893

Previews

White Background



This preview shows how the Yxy color 17.2296, 0.2651, 0.1234 looks on a white background.

Color Contrast Check

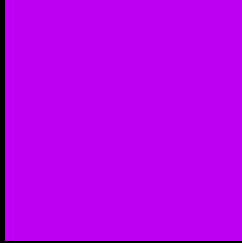
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2296, 0.2651, 0.1234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

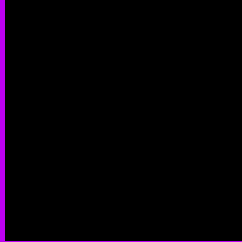
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2296, 0.2651, 0.1234

Background



This preview shows how black text looks on a background with the Yxy color 17.2296, 0.2651, 0.1234.



This preview shows how white text looks on a background with the Yxy color 17.2296, 0.2651, 0.1234.

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

17.2296, 0.2651, 0.1234

Protanopia

17.9833, 0.1741, 0.1467

Deuteranopia

17.7477, 0.1837, 0.1813



Tritanopia

17.4686, 0.4127, 0.3184

Trichromacy



Original Color

17.2296, 0.2651, 0.1234



Protanomaly

12.1319, 0.1763, 0.1051



Deuteranomaly

11.6014, 0.1822, 0.1177



Tritanomaly

14.7617, 0.3525, 0.2059

Monochromacy



Original Color

17.2296, 0.2651, 0.1234



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

8.6069, 0.2889, 0.1763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2296, 0.2651, 0.1234 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(189, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 242)  
}
```

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(189, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 242) }
```

Border

The CSS property to change the border of an element to Yxy 17.2296, 0.2651, 0.1234 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(189, 0, 242) }
```

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

```
.border{ border-color:rgb(189, 0, 242) }
```

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

Here you see how a box with a 4 pixel rgb(189, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
242) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 17.2296, 0.2651, 0.1234$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 242) }
```

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

```
.background{ background-color: rgb(189, 0,  
242) }
```

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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