

Converting Colors

$Y_{xy}(15.6566, 0.2780, 0.1425)$

Have a look what the booklet for
Yxy(15.6566, 0.2780, 0.1425)
contains.

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Color

Yxy(15.7113, 0.2785, 0.1427)

Conversions

Conversions Part 1

Format	Color
Hex	B02BD4
RGB	176, 43, 212
RGB Percent	69%, 17%, 83%
CMY	0.3096, 0.8317, 0.1685
CMYK	0.17, 0.80, 0.00, 0.17
HSL	287°, 66%, 50%
HSV	287°, 80%, 83%
XYZ	30.6629, 15.7113, 63.7260
YIQ	102.0330, 25.0190, 80.7550

Conversions

Conversions Part 2

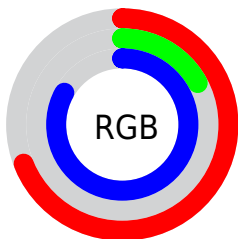
Format	Color
R_{YB}	176, 43, 212
Decimal	11545556
CIE _{Lab}	46.59, 73.12, -59.38
CIE _{LCh}	47, 94.193, 320.924
Yxy	15.7113, 0.2785, 0.1427
Android (android.graphics.Color)	4289735636 (0xFFB02BD4)
YUV	102.0330, 54.2137, 64.8691
Hunter-Lab	39.6375, 68.7191, -67.5755

Details

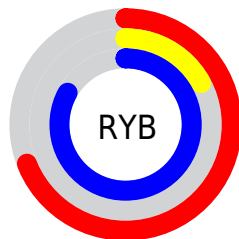
The Yxy color **15.7113, 0.2785, 0.1427** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle washed purple. A complement of this color would be **48.9355, 0.3147, 0.5662**, and the grayscale version is **13.1374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9853, 0.3008, 0.1835**, and **6.2519, 0.2607, 0.1210** is the 20% darker color. If you saturate the color by 10%, you get **14.0360, 0.2728, 0.1317**, and if you desaturate by 10%, it is **18.2052, 0.2842, 0.1583**.

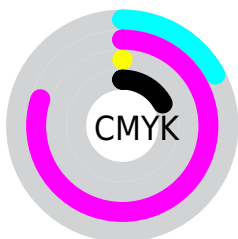
Distribution



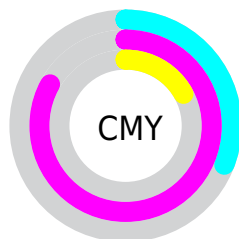
- Red (69%)
- Green (17%)
- Blue (83%)



- Red (69%)
- Yellow (17%)
- Blue (83%)



- Cyan (17%)
- Magenta (80%)
- Yellow (0%)
- Black (17%)





- Cyan (31%)
- Magenta (83%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7113, 0.2785, 0.1427 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 15.7113, 0.2785, 0.1427 by changing the saturation by 10% instead.


 15.7113, 0.2785,
0.1427


 15.7113, 0.2785,
0.1427


227.6321, 0.3026,
0.2321


 9.3201, 0.2704,
0.1230


 36.0963, 0.2889,
0.1735


 4.9506, 0.2588,
0.0996


 50.8588, 0.2923,
0.1857

 2.2183, 0.2419,
0.0724


 69.1806, 0.2950,
0.1961

 0.7299, 0.2161,
0.0419

 91.4461, 0.2972,
0.2052

 0.0000, 0.1781,
0.0000

 118.0395, 0.2989,
0.2132

 0.0000, 0.0956,
0.0000

 149.3454, 0.3004,

 0.0000, 0.0000,

0.2202

0.0000

185.7482, 0.3016,
0.2265

■ 15.7113, 0.2785,
0.1427

■ 15.7113, 0.2785,
0.1427

■ 14.0360, 0.2728,
0.1317

■ 18.2052, 0.2842,
0.1583

■ 12.9841, 0.2672,
0.1246

■ 21.6252, 0.2897,
0.1781

■ 12.9615, 0.2671,
0.1245

■ 26.0641, 0.2949,
0.2011

■ 31.6032, 0.2996,
0.2263

■ 38.3151, 0.3038,
0.2526

■ 46.2664, 0.3073,
0.2791

■ 55.5186, 0.3103,
0.3049

■ 66.1290, 0.3128,
0.3296

■ 78.1516, 0.3147,
0.3526

Harmonies

Analogous

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



15.7113, 0.1525, 0.1128



15.7113, 0.2785, 0.1427



15.7113, 0.4703, 0.2035

Triad

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



15.7113, 0.2785, 0.1427



15.7113, 0.5275, 0.4725



15.7113, 0.0776, 0.2668

Complementary

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



15.7113, 0.2785, 0.1427



48.9355, 0.3147, 0.5662

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.



15.7113, 0.1360, 0.5088



15.7113, 0.2785, 0.1427



15.7113, 0.3893, 0.6107

Square

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



15.7113, 0.2785, 0.1427



15.7113, 0.6258, 0.3625



15.7113, 0.2509, 0.6815



15.7113, 0.0684, 0.1517

Rectangle

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



15.7113, 0.2785, 0.1427



15.7113, 0.5849, 0.2542



15.7113, 0.2509, 0.6815



15.7113, 0.0901, 0.3341

Sweetspot

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



15.7119, 0.2785, 0.1427



64.5879, 0.3058, 0.2673



10.9389, 0.1741, 0.1212



12.9134, 0.3045, 0.2577



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.



15.7119, 0.2785, 0.1427



20.1253, 0.2687, 0.1265



18.4078, 0.3858, 0.2044



12.4932, 0.3104, 0.3058



8.0437, 0.2679, 0.1249



0.5192, 0.2775, 0.1302

Inverse Universe

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



16.2863, 0.5382, 0.2978



21.8324, 0.5977, 0.3090



48.3679, 0.2854, 0.5224



12.4636, 0.3258, 0.3241



8.7706, 0.6028, 0.3094



0.5414, 0.5539, 0.2825

Previews

White Background



This preview shows how the Yxy color 15.7113, 0.2785, 0.1427 looks on a white background.

Color Contrast Check

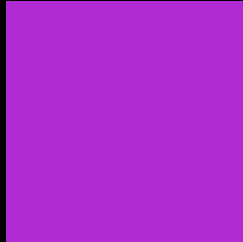
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7113, 0.2785, 0.1427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

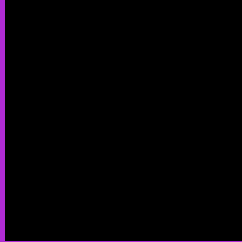
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7113, 0.2785, 0.1427

Background



This preview shows how black text looks on a background with the Yxy color 15.7113, 0.2785, 0.1427.



This preview shows how white text looks on a background with the Yxy color 15.7113, 0.2785, 0.1427.

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

15.7113, 0.2785, 0.1427

Protanopia

16.0064, 0.1741, 0.1468

Deuteranopia

15.9804, 0.1831, 0.1792



Tritanopia

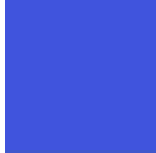
15.6490, 0.4127, 0.3179

Trichromacy



Original Color

15.7113, 0.2785, 0.1427



Protanomaly

12.6511, 0.1818, 0.1254



Deuteranomaly

12.4291, 0.1884, 0.1419



Tritanomaly

14.7362, 0.3581, 0.2318

Monochromacy



Original Color

15.7113, 0.2785, 0.1427



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

12.5050, 0.2987, 0.2213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7113, 0.2785, 0.1427 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(176, 43, 212)` looks like.

```
.text, #text, p{  
    color:rgb(176, 43, 212)  
}
```

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(176, 43, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 43, 212) }
```

Border

The CSS property to change the border of an element to Yxy 15.7113, 0.2785, 0.1427 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(176, 43, 212) }
```

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

```
.border{ border-color:rgb(176, 43, 212) }
```

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

Here you see how a box with a 4 pixel rgb(176, 43, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 43, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 43, 212);  
box-shadow:4px 4px 4px 4px rgb(176, 43,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7113, 0.2785, 0.1427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 43, 212) }
```

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

```
.background{ background-color: rgb(176, 43,  
212) }
```

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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