

Converting Colors

$Y_{xy}(15.6788, 0.2654, 0.1289)$

Have a look what the booklet for
Yxy(15.6788, 0.2654, 0.1289)
contains.

Yxy(15.7237, 0.2654, 0.1287)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.7237, 0.2654, 0.1287)

Conversions

Conversions Part 1

Format	Color
Hex	B11CE3
RGB	177, 28, 227
RGB Percent	69%, 11%, 89%
CMY	0.3057, 0.8909, 0.1097
CMYK	0.22, 0.88, 0.00, 0.11
HSL	285°, 78%, 50%
HSV	285°, 88%, 89%
XYZ	32.4248, 15.7237, 74.0248
YIQ	95.2370, 24.9250, 93.4770

Conversions

Conversions Part 2

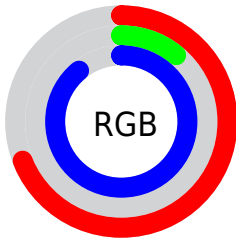
Format	Color
R _{YB}	177, 28, 227
Decimal	11607267
CIE _{Lab}	46.61, 79.50, -67.91
CIE _{LCh}	47, 104.556, 319.494
Yxy	15.7237, 0.2654, 0.1287
Android (android.graphics.Color)	4289797347 (0xFFB11CE3)
YUV	95.2370, 64.9592, 71.7062
Hunter-Lab	39.6531, 76.5684, -82.9259

Details

The Yxy color **15.7237, 0.2654, 0.1287** 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 **56.6527, 0.3149, 0.5789**, and the grayscale version is **11.3210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9599, 0.3027, 0.1793**, and **6.7538, 0.2453, 0.1125** is the 20% darker color. If you saturate the color by 10%, you get **14.3577, 0.2588, 0.1206**, and if you desaturate by 10%, it is **17.9123, 0.2722, 0.1413**.

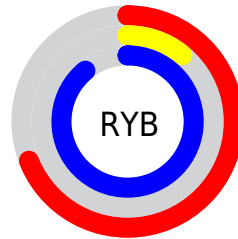
Distribution



Red (69%)

Green (11%)

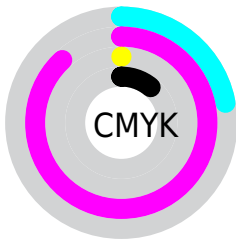
Blue (89%)



Red (69%)

Yellow (11%)

Blue (89%)

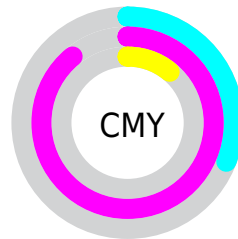


Cyan (22%)

Magenta (88%)

Yellow (0%)

Black (11%)



Cyan (31%)


Magenta (89%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7237, 0.2654, 0.1287 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 15.7237, 0.2654, 0.1287 by changing the saturation by 10% instead.


 15.7237, 0.2654,
0.1287


 15.7237, 0.2654,
0.1287


227.7058, 0.2970,
0.2219


 9.3288, 0.2555,
0.1091


 36.1179, 0.2785,
0.1601


 4.9563, 0.2420,
0.0865


 50.8860, 0.2830,
0.1727

 2.2216, 0.2228,
0.0611


 69.2139, 0.2865,
0.1836

 0.7318, 0.1953,
0.0339

 91.4862, 0.2895,
0.1932

 0.0000, 0.1568,
0.0000

 118.0871, 0.2918,
0.2017

 0.0000, 0.0933,
0.0000

 149.4011, 0.2938,

 0.0000, 0.0000,

0.2092

0.0000

185.8125, 0.2955,
0.2159

■ 15.7237, 0.2654,
0.1287

■ 15.7237, 0.2654,
0.1287

■ 14.3577, 0.2588,
0.1206

■ 17.9123, 0.2722,
0.1413

■ 14.1022, 0.2573,
0.1191

■ 21.0931, 0.2790,
0.1586

■ 25.3920, 0.2856,
0.1798

■ 30.9154, 0.2919,
0.2041

■ 37.7571, 0.2975,
0.2303

■ 46.0019, 0.3025,
0.2573

■ 55.7271, 0.3068,
0.2840

■ 67.0045, 0.3104,
0.3099

■ 79.9012, 0.3133,
0.3344

Harmonies

Analogous

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



15.7237, 0.1370, 0.1001



15.7237, 0.2654, 0.1287



15.7237, 0.4744, 0.1895

Triad

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



15.7237, 0.2654, 0.1287



15.7237, 0.5384, 0.4616



15.7237, 0.0646, 0.2656

Complementary

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



15.7237, 0.2654, 0.1287



56.6527, 0.3149, 0.5789

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.



15.7237, 0.1230, 0.5455



15.7237, 0.2654, 0.1287



15.7237, 0.3855, 0.6145

Square

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



15.7237, 0.2654, 0.1287



15.7237, 0.6499, 0.3487



15.7237, 0.2402, 0.7199



15.7237, 0.0561, 0.1409

Rectangle

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



15.7237, 0.2654, 0.1287



15.7237, 0.6039, 0.2407



15.7237, 0.2402, 0.7199



15.7237, 0.0767, 0.3422

Sweetspot

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



15.7243, 0.2654, 0.1287



61.7267, 0.3032, 0.2615



11.6705, 0.1678, 0.1133



12.3432, 0.3016, 0.2521



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.



15.7243, 0.2654, 0.1287



18.2990, 0.2569, 0.1189



20.4773, 0.3805, 0.1929



14.4236, 0.3098, 0.3056



8.2794, 0.2583, 0.1197



0.6550, 0.2678, 0.1249

Inverse Universe

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



17.7067, 0.5578, 0.2951



21.6299, 0.5973, 0.3064



55.7010, 0.2901, 0.5534



14.4270, 0.3253, 0.3231



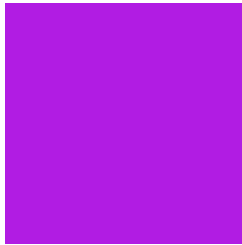
9.7120, 0.5921, 0.3036



0.7323, 0.5507, 0.2808

Previews

White Background



This preview shows how the Yxy color 15.7237, 0.2654, 0.1287 looks on a white background.

Color Contrast Check

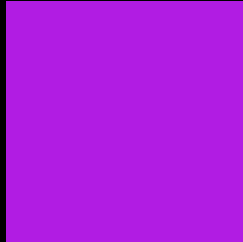
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7237, 0.2654, 0.1287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

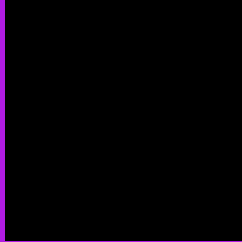
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7237, 0.2654, 0.1287

Background



This preview shows how black text looks on a background with the Yxy color 15.7237, 0.2654, 0.1287.



This preview shows how white text looks on a background with the Yxy color 15.7237, 0.2654, 0.1287.

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

15.7237, 0.2654, 0.1287

Protanopia

16.0064, 0.1741, 0.1468

Deuteranopia

16.1118, 0.1842, 0.1831



Tritanopia

15.6331, 0.4075, 0.3178

Trichromacy



Original Color

15.7237, 0.2654, 0.1287



Protanomaly

12.0298, 0.1787, 0.1158



Deuteranomaly

11.8800, 0.1851, 0.1315



Tritanomaly

14.1779, 0.3481, 0.2174

Monochromacy



Original Color

15.7237, 0.2654, 0.1287



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

10.8496, 0.2914, 0.2018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7237, 0.2654, 0.1287 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(177, 28, 227)` looks like.

```
.text, #text, p{  
    color:rgb(177, 28, 227)  
}
```

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(177, 28, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 28, 227) }
```

Border

The CSS property to change the border of an element to Yxy 15.7237, 0.2654, 0.1287 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(177, 28, 227) }
```

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

```
.border{ border-color:rgb(177, 28, 227) }
```

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

Here you see how a box with a 4 pixel rgb(177, 28, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 28, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 28, 227);  
box-shadow:4px 4px 4px 4px rgb(177, 28,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7237, 0.2654, 0.1287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 28, 227) }
```

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

```
.background{ background-color: rgb(177, 28,  
227) }
```

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