

Converting Colors

$Y_{xy}(16.7489, 0.2523, 0.1225)$

Have a look what the booklet for
Yxy(16.7489, 0.2523, 0.1225)
contains.

Yxy(16.7286, 0.2523, 0.1224)	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(16.7286, 0.2523, 0.1224)

Conversions

Conversions Part 1

Format	Color
Hex	B021F2
RGB	176, 33, 242
RGB Percent	69%, 13%, 95%
CMY	0.3098, 0.8708, 0.0508
CMYK	0.27, 0.86, 0.00, 0.05
HSL	281°, 89%, 54%
HSV	281°, 86%, 95%
XYZ	34.4822, 16.7286, 85.4607
YIQ	99.5830, 18.1390, 95.3150

Conversions

Conversions Part 2

Format	Color
R _Y B	176, 33, 242
Decimal	11543026
CIE _{Lab}	47.92, 81.11, -74.29
CIE _{LCh}	48, 109.984, 317.513
Y _{xy}	16.7286, 0.2523, 0.1224
Android (android.graphics.Color)	4289733106 (0xFFB021F2)
Y _{UV}	99.5830, 70.2116, 67.0177
Hunter-Lab	40.9006, 78.9126, -95.2544

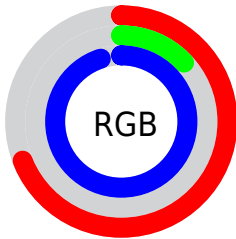
Details

The Yxy color **16.7286, 0.2523, 0.1224** is a light color, and the websafe version is hex **CC33FF**.

The color can be described as light washed purple. A complement of this color would be **66.3002, 0.3213, 0.5727**, and the grayscale version is **12.4408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5319, 0.3027, 0.1814**, and **7.2158, 0.2292, 0.1036** is the 20% darker color. If you saturate the color by 10%, you get **14.9680, 0.2441, 0.1129**, and if you desaturate by 10%, it is **19.5021, 0.2609, 0.1368**.

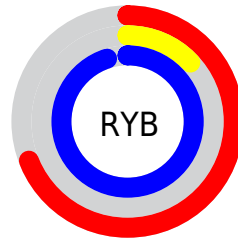
Distribution



Red (69%)

Green (13%)

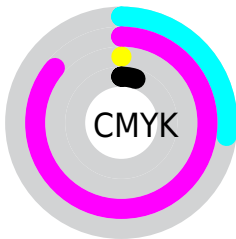
Blue (95%)



Red (69%)

Yellow (13%)

Blue (95%)

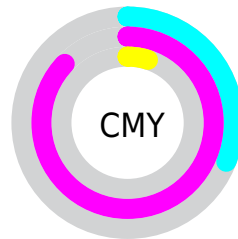


Cyan (27%)

Magenta (86%)

Yellow (0%)

Black (5%)



Cyan (31%)


Magenta (87%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7286, 0.2523, 0.1224 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 16.7286, 0.2523, 0.1224 by changing the saturation by 10% instead.


 16.7286, 0.2523,
0.1224


 16.7286, 0.2523,
0.1224


233.6035, 0.2904,
0.2161


 10.0412, 0.2412,
0.1034


 37.8586, 0.2675,
0.1534


 5.4263, 0.2264,
0.0817


 53.0699, 0.2729,
0.1660


 2.4995, 0.2063,
0.0578


 71.8913, 0.2772,
0.1770

 0.8764, 0.1786,
0.0329

 94.7072, 0.2808,
0.1868

 0.0000, 0.1418,
0.0000

 121.9020, 0.2838,
0.1954

 0.0000, 0.0891,
0.0000

 153.8600, 0.2863,

 0.0000, 0.0000,

0.2031

0.0000

190.9657, 0.2885,
0.2100

■ 16.7286, 0.2523,
0.1224

■ 16.7286, 0.2523,
0.1224

■ 14.9680, 0.2441,
0.1129

■ 19.5021, 0.2609,
0.1368

■ 14.4779, 0.2412,
0.1102

■ 23.4663, 0.2696,
0.1560

■ 28.7656, 0.2781,
0.1790

■ 35.5228, 0.2860,
0.2048

■ 43.8467, 0.2933,
0.2322

■ 53.8354, 0.2998,
0.2600

■ 65.5789, 0.3054,
0.2872

■ 79.1607, 0.3101,
0.3132

■ 94.6587, 0.3141,
0.3376

Harmonies

Analogous

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



16.7286, 0.1281, 0.0959



16.7286, 0.2523, 0.1224



16.7286, 0.4632, 0.1815

Triad

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



16.7286, 0.2523, 0.1224



16.7286, 0.5492, 0.4508



16.7286, 0.0624, 0.2763

Complementary

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



16.7286, 0.2523, 0.1224



66.3002, 0.3213, 0.5727

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.



16.7286, 0.1241, 0.5744



16.7286, 0.2523, 0.1224



16.7286, 0.3930, 0.6070

Square

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



16.7286, 0.2523, 0.1224



16.7286, 0.6591, 0.3388



16.7286, 0.2440, 0.7306



16.7286, 0.0524, 0.1415

Rectangle

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



16.7286, 0.2523, 0.1224



16.7286, 0.6010, 0.2325



16.7286, 0.2440, 0.7306



16.7286, 0.0753, 0.3594

Sweetspot

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



16.7292, 0.2523, 0.1224



60.9884, 0.3000, 0.2609



15.6909, 0.1721, 0.1278



12.1666, 0.2978, 0.2512



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.



16.7292, 0.2523, 0.1224



16.2707, 0.2410, 0.1101



24.3180, 0.3654, 0.1850



15.7665, 0.3087, 0.3054



7.8497, 0.2425, 0.1110



0.7058, 0.2530, 0.1168

Inverse Universe

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



20.8726, 0.5324, 0.2818



21.8473, 0.5754, 0.2944



64.3193, 0.2929, 0.5617



15.8411, 0.3244, 0.3216



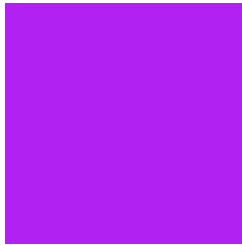
10.4464, 0.5704, 0.2916



0.8864, 0.5333, 0.2711

Previews

White Background



This preview shows how the Yxy color 16.7286, 0.2523, 0.1224 looks on a white background.

Color Contrast Check

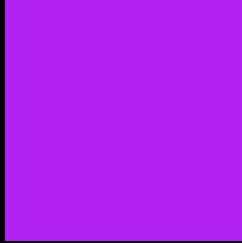
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7286, 0.2523, 0.1224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

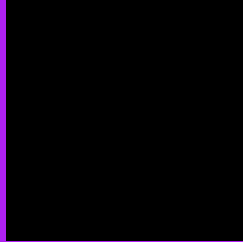
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7286, 0.2523, 0.1224

Background



This preview shows how black text looks on a background with the Yxy color 16.7286, 0.2523, 0.1224.



This preview shows how white text looks on a background with the Yxy color 16.7286, 0.2523, 0.1224.

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

16.7286, 0.2523, 0.1224

Protanopia

16.9781, 0.1741, 0.1468

Deuteranopia

16.9868, 0.1845, 0.1841



Tritanopia

16.6460, 0.3850, 0.3157

Trichromacy



Original Color

16.7286, 0.2523, 0.1224



Protanomaly

13.1807, 0.1774, 0.1153



Deuteranomaly

12.7553, 0.1836, 0.1303



Tritanomaly

14.9455, 0.3282, 0.2109

Monochromacy



Original Color

16.7286, 0.2523, 0.1224



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.0251, 0.2845, 0.1994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7286, 0.2523, 0.1224 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, 33, 242)` looks like.

```
.text, #text, p{  
    color:rgb(176, 33, 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(176, 33, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 33, 242) }
```

Border

The CSS property to change the border of an element to Yxy 16.7286, 0.2523, 0.1224 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, 33, 242) }
```

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

```
.border{ border-color:rgb(176, 33, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 33, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 33, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 33, 242);  
box-shadow:4px 4px 4px 4px rgb(176, 33,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7286, 0.2523, 0.1224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 33, 242) }
```

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

```
.background{ background-color: rgb(176, 33,  
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](#).

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