

Converting Colors

$Y_{xy}(15.2817, 0.2543, 0.1207)$

Have a look what the booklet for
Yxy(15.2817, 0.2543, 0.1207)
contains.

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Color

Yxy(15.2475, 0.2541, 0.1206)

Conversions

Conversions Part 1

Format	Color
Hex	AC15EA
RGB	172, 21, 234
RGB Percent	67%, 8%, 92%
CMY	0.3255, 0.9172, 0.0825
CMYK	0.26, 0.91, 0.00, 0.08
HSL	283°, 83%, 50%
HSV	283°, 91%, 92%
XYZ	32.1260, 15.2475, 79.0569
YIQ	90.4310, 21.6230, 98.2550

Conversions

Conversions Part 2

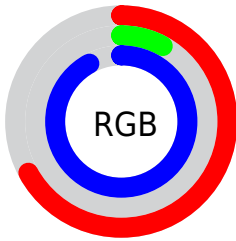
Format	Color
R _Y B	172, 21, 234
Decimal	11277802
CIE Lab	45.97, 81.17, -72.91
CIE LCh	46, 109.111, 318.069
Yxy	15.2475, 0.2541, 0.1206
Android (android.graphics.Color)	4289467882 (0xFFAC15EA)
YUV	90.4310, 70.7795, 71.5360
Hunter-Lab	39.0480, 78.5230, -92.7052

Details

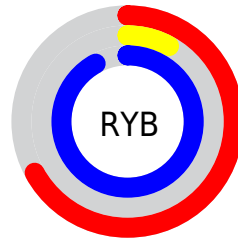
The Yxy color **15.2475, 0.2541, 0.1206** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **60.7160, 0.3169, 0.5809**, and the grayscale version is **10.1735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5490, 0.2990, 0.1748**, and **6.6191, 0.2308, 0.1045** is the 20% darker color. If you saturate the color by 10%, you get **14.0287, 0.2473, 0.1136**, and if you desaturate by 10%, it is **17.3371, 0.2619, 0.1324**.

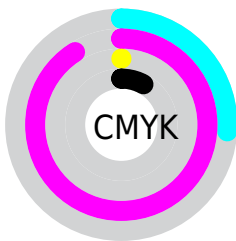
Distribution



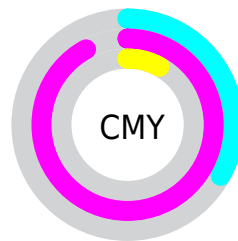
- Red (67%)
- Green (8%)
- Blue (92%)



- Red (67%)
- Yellow (8%)
- Blue (92%)



- Cyan (26%)
- Magenta (91%)
- Yellow (0%)
- Black (8%)




- Cyan (33%)
- Magenta (92%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2475, 0.2541, 0.1206 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 15.2475, 0.2541, 0.1206 by changing the saturation by 10% instead.


 15.2475, 0.2541,
0.1206


 15.2475, 0.2541,
0.1206


224.8594, 0.2919,
0.2163


 8.9933, 0.2428,
0.1010


 35.2868, 0.2694,
0.1524


 4.7368, 0.2275,
0.0787


 49.8406, 0.2748,
0.1653


 2.0937, 0.2066,
0.0542


 67.9298, 0.2790,
0.1766

 0.6611, 0.1775,
0.0284

 89.9387, 0.2826,
0.1865

 0.0000, 0.1377,
0.0000

 116.2517, 0.2855,
0.1953

 0.0000, 0.0771,
0.0000

 147.2532, 0.2880,

 0.0000, 0.0000,

0.2030

0.0000

183.3277, 0.2901,
0.2100

■ 15.2475, 0.2541,
0.1206

■ 15.2475, 0.2541,
0.1206

■ 14.0287, 0.2473,
0.1136

■ 17.3371, 0.2619,
0.1324

■ 20.4504, 0.2699,
0.1489

■ 24.7319, 0.2778,
0.1698

■ 30.3023, 0.2853,
0.1940

■ 37.2666, 0.2922,
0.2204

■ 45.7193, 0.2985,
0.2478

■ 55.7461, 0.3039,
0.2751

■ 67.4263, 0.3085,
0.3016

■ 80.8337, 0.3124,
0.3266

Harmonies

Analogous

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



15.2475, 0.1271, 0.0935



15.2475, 0.2541, 0.1206



15.2475, 0.4704, 0.1805

Triad

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



15.2475, 0.2541, 0.1206



15.2475, 0.5480, 0.4520



15.2475, 0.0587, 0.2700

Complementary

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



15.2475, 0.2541, 0.1206



60.7160, 0.3169, 0.5809

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.



15.2475, 0.1182, 0.5746



15.2475, 0.2541, 0.1206



15.2475, 0.3876, 0.6124

Square

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



15.2475, 0.2541, 0.1206



15.2475, 0.6622, 0.3378



15.2475, 0.2375, 0.7409



15.2475, 0.0500, 0.1370

Rectangle

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



15.2475, 0.2541, 0.1206



15.2475, 0.6098, 0.2316



15.2475, 0.2375, 0.7409



15.2475, 0.0710, 0.3536

Sweetspot

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



15.2480, 0.2541, 0.1206



60.0561, 0.3006, 0.2584



12.5891, 0.1669, 0.1142



12.0005, 0.2987, 0.2489



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.



15.2480, 0.2541, 0.1206



17.0160, 0.2470, 0.1134



21.8034, 0.3734, 0.1866



15.0808, 0.3091, 0.3055



7.9544, 0.2485, 0.1143



0.6735, 0.2588, 0.1199

Inverse Universe

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



18.6504, 0.5559, 0.2900



21.7575, 0.5842, 0.2992



59.3466, 0.2928, 0.5672



15.1262, 0.3247, 0.3222



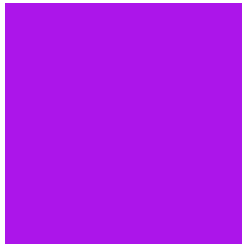
10.0841, 0.5790, 0.2963



0.8081, 0.5396, 0.2746

Previews

White Background



This preview shows how the Yxy color 15.2475, 0.2541, 0.1206 looks on a white background.

Color Contrast Check

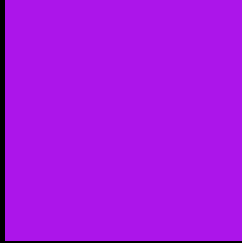
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.2475, 0.2541, 0.1206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

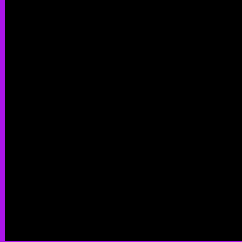
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.2475, 0.2541, 0.1206

Background



This preview shows how black text looks on a background with the Yxy color 15.2475, 0.2541, 0.1206.



This preview shows how white text looks on a background with the Yxy color 15.2475, 0.2541, 0.1206.

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

15.2475, 0.2541, 0.1206

Protanopia

15.6358, 0.1743, 0.1476

Deuteranopia

15.4834, 0.1844, 0.1838



Tritanopia

15.3281, 0.3927, 0.3172

Trichromacy



Original Color

15.2475, 0.2541, 0.1206



Protanomaly

11.6350, 0.1772, 0.1119



Deuteranomaly

11.2522, 0.1833, 0.1261



Tritanomaly

13.5552, 0.3333, 0.2079

Monochromacy



Original Color

15.2475, 0.2541, 0.1206



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

9.7267, 0.2850, 0.1909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2475, 0.2541, 0.1206 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(172, 21, 234)` looks like.

```
.text, #text, p{  
    color:rgb(172, 21, 234)  
}
```

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(172, 21, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 21, 234) }
```

Border

The CSS property to change the border of an element to Yxy 15.2475, 0.2541, 0.1206 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(172, 21, 234) }
```

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

```
.border{ border-color:rgb(172, 21, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 21, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 21, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 21, 234);  
box-shadow:4px 4px 4px 4px rgb(172, 21,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2475, 0.2541, 0.1206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 21, 234) }
```

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

```
.background{ background-color: rgb(172, 21,  
234) }
```

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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