

Converting Colors

YIQ(102.5130, 15.1600, 88.7280)

Have a look what the booklet for
YIQ(102.5130, 15.1600, 88.7280)
contains.

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Color

**YIQ(102.5130, 15.1600,
88.7280)**

Conversions

Conversions Part 1

Format	Color
Hex	AC29ED
RGB	172, 41, 237
RGB Percent	67%, 16%, 93%
CMY	0.3250, 0.8394, 0.0707
CMYK	0.27, 0.83, 0.00, 0.07
HSL	280°, 84%, 54%
HSV	280°, 83%, 93%
XYZ	33.1112, 16.4783, 81.5383
YIQ	102.5130, 15.1600, 88.7280

Conversions

Conversions Part 2

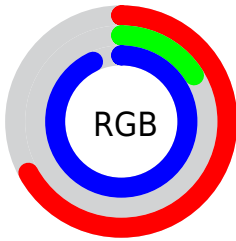
Format	Color
R_{YB}	172, 41, 237
Decimal	11282925
CIE _{Lab}	47.60, 77.70, -71.97
CIE _{LCh}	48, 105.908, 317.190
Yxy	16.4783, 0.2525, 0.1257
Android (android.graphics.Color)	4289473005 (0xFFAC29ED)
YUV	102.5130, 66.3021, 60.9401
Hunter-Lab	40.5935, 74.5599, -90.6776

Details

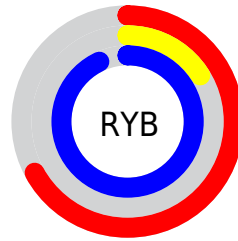
The YIQ color **102.5130, 15.1600, 88.7280** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **175.4870, -15.1600, -88.7280**, and the grayscale version is **102.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **160.0730, 27.5420, 73.5740**, and **54.3070, 9.5680, 79.9360** is the 20% darker color. If you saturate the color by 10%, you get **86.0330, 16.9920, 99.5840**, and if you desaturate by 10%, it is **118.9930, 13.3280, 77.8720**.

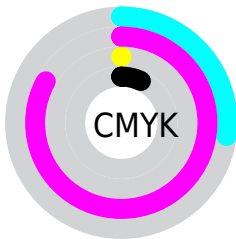
Distribution



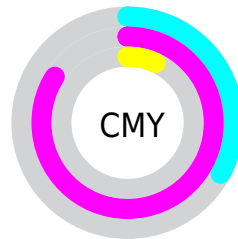
- Red (67%)
- Green (16%)
- Blue (93%)



- Red (67%)
- Yellow (16%)
- Blue (93%)



- Cyan (27%)
- Magenta (83%)
- Yellow (0%)
- Black (7%)



- Cyan (33%)
- Magenta (84%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 102.5130, 15.1600, 88.7280 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 YIQ color 102.5130, 15.1600, 88.7280 by changing the saturation by 10% instead.

102.5130, 15.1600,
88.7280

102.5130, 15.1600,
88.7280

255.0000, -0.0000,
-0.0000

66.1700, 17.8640,
94.7920

160.0730, 27.5420,
73.5740

54.3070, 9.5680,
79.9360

183.9730, 33.2750,
63.2830

41.8460, 0.0800,
64.6560

200.4090, 25.5750,
48.6390

29.2000, -10.3250,
49.4750

218.0190, 17.3250,
32.9490

14.5750, -25.2230,
33.1210

235.0420, 9.3500,
17.7820

8.4360, -23.7540,
23.0140

252.6520, 1.1000,

8.1620, -17.4710,

2.0920

13.7690

■ 4.4800, -9.8590,
7.9730

■ 0.0000, 0.0000,
0.0000

■ 102.5130, 15.1600,
88.7280

■ 102.5130, 15.1600,
88.7280

■ 86.0330, 16.9920,
99.5840

■ 118.9930, 13.3280,
77.8720

■ 74.5590, 18.6870,
107.4150

■ 134.8860, 11.7710,
67.5390

■ 151.3660, 9.9390,
56.6830

■ 167.5470, 7.5110,
45.6150

■ 183.4400, 5.9540,
35.2820

■ 199.9200, 4.1220,
24.4260

■ 216.4000, 2.2900,
13.5700

■ 232.8800, 0.4580,
2.7140

■ 248.7730, -1.0990,
-7.6190

Harmonies

Analogous

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



93.0530, -111.8300, 22.2980



102.5130, 15.1600, 88.7280



90.9250, 96.2650, 100.1450

Triad

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



102.5130, 15.1600, 88.7280



106.2960, 74.5990, -13.8570



104.3980, -92.7940, -25.3540

Complementary

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



102.5130, 15.1600, 88.7280



175.4870, -15.1600, -88.7280

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.



91.9210, -61.7950, -53.0190



102.5130, 15.1600, 88.7280



99.9860, 18.6690, -46.5070

Square

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



102.5130, 15.1600, 88.7280



74.9170, 131.9920, 41.8480



81.0060, -37.9500, -72.1740



113.6320, -118.7950, -0.1630

Rectangle

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



102.5130, 15.1600, 88.7280



87.3030, 120.8430, 84.2270



81.0060, -37.9500, -72.1740



100.2770, -82.5680, -34.4720

Sweetspot

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



102.5130, 15.1600, 88.7280



211.1530, 5.0840, 29.0200



101.4990, -80.7910, 26.9610



101.2200, 2.9770, 17.6410



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



102.5130, 15.1600, 88.7280



81.9600, 19.2360, 113.9880



118.1860, 64.4930, 92.2450



109.3470, 0.6410, 4.9050



56.8130, 14.0150, 81.9430



16.9200, 4.1220, 24.4260

Inverse Universe

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



107.0140, 95.9510, 61.7670



87.8100, 123.5490, 79.2370



159.8140, -64.4930, -92.2450



109.6310, 5.5930, 3.2650



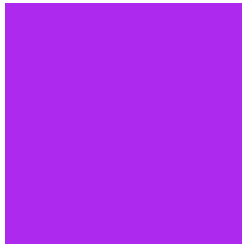
60.9590, 88.6160, 57.0320



18.1980, 26.4060, 17.0460

Previews

White Background



This preview shows how the YIQ color 102.5130, 15.1600, 88.7280 looks on a white background.

Color Contrast Check

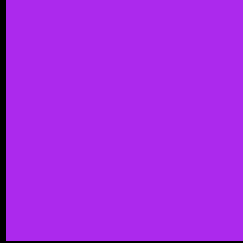
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 102.5130, 15.1600, 88.7280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

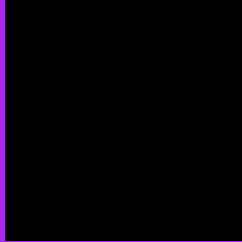
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 102.5130, 15.1600, 88.7280

Background



This preview shows how black text looks on a background with the YIQ color 102.5130, 15.1600, 88.7280.



This preview shows how white text looks on a background with the YIQ color 102.5130, 15.1600,

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

102.5130, 15.1600, 88.7280

Protanopia

90.3170, -104.1260, 14.8340

Deuteranopia

91.0060, -96.4210, 1.8430



Tritanopia

114.7590, 29.0200, 13.7240

Trichromacy



Original Color

102.5130, 15.1600, 88.7280



Protanomaly

94.7070, -60.3450, 41.8870



Deuteranomaly

95.4760, -55.6210, 33.3630



Tritanomaly

110.2960, 24.1550, 41.3310

Monochromacy



Original Color

102.5130, 15.1600, 88.7280



Achromatopsia

103.0000, -0.0000, 0.0000



Achromatomaly

102.5600, 5.4960, 32.5680

CSS Examples

Text

The CSS property to change the color of the text to YIQ 102.5130, 15.1600, 88.7280 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, 41, 237)` looks like.

```
.text, #text, p{  
    color:rgb(172, 41, 237)  
}
```

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, 41, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 41, 237) }
```

Border

The CSS property to change the border of an element to YIQ 102.5130, 15.1600, 88.7280 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, 41, 237) }
```


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

```
.border{ border-color:rgb(172, 41, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 41, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 41, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 41, 237);  
box-shadow:4px 4px 4px 4px rgb(172, 41,  
237) }
```

Background

The CSS property to change the background color of an element to YIQ 102.5130, 15.1600, 88.7280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 41, 237) }
```

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

```
.background{ background-color: rgb(172, 41,  
237) }
```

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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