

Converting Colors

YUV(163.2980, 45.2091,
12.8937)

Have a look what the booklet for
YUV(163.2980, 45.2091, 12.8937)
contains.

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Color

**YUV(163.2980, 45.2091,
12.8937)**

Conversions

Conversions Part 1

Format	Color
Hex	B28AFF
RGB	178, 138, 255
RGB Percent	70%, 54%, 100%
CMY	0.3020, 0.4588, 0.0000
CMYK	0.30, 0.46, 0.00, 0.00
HSL	261°, 100%, 77%
HSV	261°, 46%, 100%
XYZ	45.4986, 34.8619, 98.9387
YIQ	163.2980, -13.7170, 44.8670

Conversions

Conversions Part 2

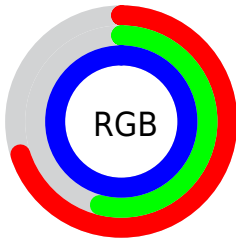
Format	Color
RYB	178, 138, 255
Decimal	11700991
CIELab	65.64, 39.23, -52.96
CIELCh	66, 65.904, 306.532
Yxy	34.8619, 0.2538, 0.1944
Android (android.graphics.Color)	4289891071 (0xFFB28AFF)
YUV	163.2980, 45.2091, 12.8937
Hunter-Lab	59.0440, 34.2229, -58.0202

Details

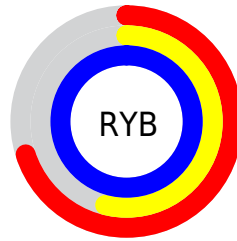
The YUV color $163.2980, 45.2091, 12.8937$ is a light color, and the websafe version is hex $CC99FF$. A complement of this color would be $229.7020, -45.2091, -12.8937$, and the grayscale version is $163.0000, 0.0000, 0.0000$.

A 20% lighter version of the original color is $212.3380, 21.0324, 20.7516$, and $110.1190, 43.3253, 10.4196$ is the 20% darker color. If you saturate the color by 10%, you get $143.5400, 54.9498, 15.3124$, and if you desaturate by 10%, it is $183.0560, 35.4684, 10.4749$.

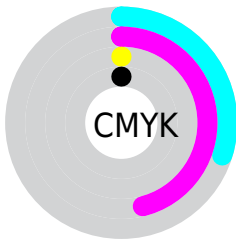
Distribution



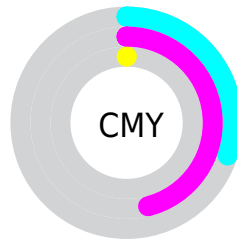
- Red (70%)
- Green (54%)
- Blue (100%)



- Red (70%)
- Yellow (54%)
- Blue (100%)



- Cyan (30%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YUV color 163.2980, 45.2091, 12.8937 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 YUV color 163.2980, 45.2091, 12.8937 by changing the saturation by 10% instead.

163.2980, 45.2091,
12.8937

163.2980, 45.2091,
12.8937

255.0000, 0.0000,
0.0000

136.3580, 44.1935,
11.9640

212.3380, 21.0324,
20.7516

110.1190, 43.3253,
10.4196

234.4550, 10.1287,
18.0180

84.4670, 42.1678,
8.3604

251.4780, 1.7363,
3.0888

58.9290, 41.4470,
6.2013

33.4940, 41.1685,
2.1978

10.3740, 39.7486,
-9.0980

7.6380, 29.2655,

-6.6985

■ 6.7770, 18.3509,
-5.9434

■ 3.0950, 9.3202,
-2.7143

■ 163.2980, 45.2091,
12.8937

■ 163.2980, 45.2091,
12.8937

■ 143.5400, 54.9498,
15.3124

■ 183.0560, 35.4684,
10.4749

■ 123.1950, 64.9799,
18.2460

■ 203.4010, 25.4383,
7.5413

■ 103.7360, 74.5732,
21.2795

■ 223.4470, 15.5556,
3.9930

■ 83.3910, 84.6032,
24.2131

■ 243.2050, 5.8149,
1.5742

■ 63.6330, 94.3439, 255.0000, 0.0000,
26.6319 0.0000

■ 55.0830, 98.5591,
27.9912

Harmonies

Analogous

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



133.1340, 60.0799, -90.4485



163.2980, 45.2091, 12.8937



162.1020, 22.6277, 69.1935

Triad

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



163.2980, 45.2091, 12.8937



154.2970, -53.8834, 62.8835



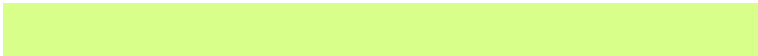
129.2630, 20.5763, -113.3637

Complementary

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



163.2980, 45.2091, 12.8937



229.7020, -45.2091, -12.8937

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.



120.5480, -5.2002, -105.7206



163.2980, 45.2091, 12.8937



149.8240, -63.5102, 23.8334

Square

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



163.2980, 45.2091, 12.8937



154.2380, -30.6833, 88.3683



144.0810, -43.4239, -25.5040



135.1740, 45.7632, -118.5476

Rectangle

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



163.2980, 45.2091, 12.8937



155.3850, 6.7122, 87.3624



144.0810, -43.4239, -25.5040



126.8690, 11.4036, -111.2641

Sweetspot

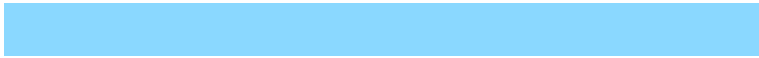
The Sweet Spot groups the original color and five complimentary colors.



163.2980, 45.2091, 12.8937



226.9910, 13.8084, 4.3929



197.1240, 28.5329, -51.8517



110.6010, 8.5777, 2.1039



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.



163.2980, 45.2091, 12.8937



145.3120, 54.0762, 15.5124



180.6400, 36.6595, 48.5507



117.6780, 5.0887, 1.1594



41.2090, 73.8470, 20.8647



13.8740, 24.7121, 7.1265

Inverse Universe

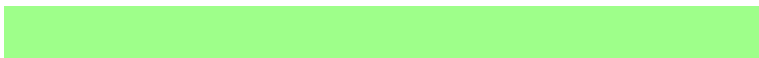
The Inverse Universe completely reimagines the original color for something new.



181.7610, 16.3868, 64.2306



167.3480, 19.5484, 76.8708



212.6590, -36.8069, -47.9359



119.7990, 1.5781, 7.1923



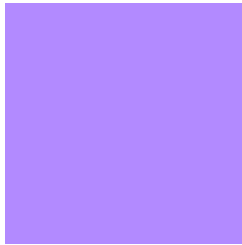
71.4730, 26.8818, 104.8252



23.9240, 8.9115, 35.1467

Previews

White Background



This preview shows how the YUV color 163.2980, 45.2091, 12.8937 looks on a white background.

Color Contrast Check

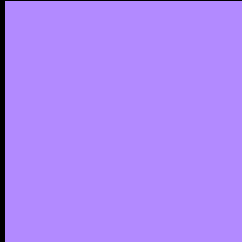
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YUV color 163.2980, 45.2091, 12.8937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

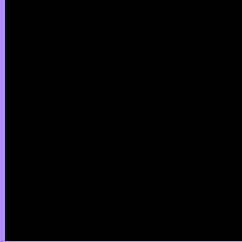
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YUV 163.2980, 45.2091, 12.8937

Background



This preview shows how black text looks on a background with the YUV color 163.2980, 45.2091, 12.8937.



This preview shows how white text looks on a background with the YUV color 163.2980, 45.2091, 12.8937.

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

163.2980, 45.2091, 12.8937

Protanopia

156.8210, 48.4022, -31.4150

Deuteranopia

154.7230, 46.9716, -39.2221



Tritanopia

159.6780, 5.0887, 1.1594

Trichromacy



Original Color

163.2980, 45.2091, 12.8937

Protanomaly

158.9910, 47.3324, -14.9011

Deuteranomaly

157.7300, 46.4751, -19.9342

Tritanomaly

160.8970, 19.7708, 5.3523

Monochromacy



Original Color

163.2980, 45.2091, 12.8937

Achromatopsia

163.0000, 0.0000, 0.0000

Achromatomaly

162.9740, 16.2818, 4.4078

CSS Examples

Text

The CSS property to change the color of the text to YUV 163.2980, 45.2091, 12.8937 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(178, 138, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 138, 255)  
}
```

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(178, 138, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 138, 255) }
```

Border

The CSS property to change the border of an element to YUV 163.2980, 45.2091, 12.8937 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(178, 138, 255) }
```


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

```
.border{ border-color:rgb(178, 138, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 138, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 138, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 138, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 138,  
255) }
```

Background

The CSS property to change the background color of an element to YUV 163.2980, 45.2091, 12.8937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 138, 255) }
```

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

```
.background{ background-color: rgb(178,  
138, 255) }
```

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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