

# Converting Colors

YIQ(128.4600, 49.0420, 91.4260)

Have a look what the booklet for  
YIQ(128.4600, 49.0420, 91.4260)  
contains.

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# Color

**YIQ(128.4600, 49.0420,  
91.4260)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E838E6
RGB	232, 56, 230
RGB Percent	91%, 22%, 90%
CMY	0.0897, 0.7806, 0.0980
CMYK	0.00, 0.76, 0.01, 0.09
HSL	301°, 79%, 56%
HSV	301°, 76%, 91%
XYZ	49.0180, 25.7136, 77.2538
YIQ	128.4600, 49.0420, 91.4260

# Conversions

## Conversions Part 2

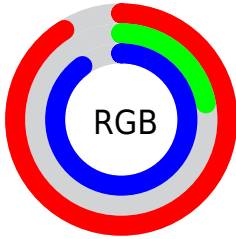
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	232, 56, 230
Decimal	15218918
CIE <sub>Lab</sub>	57.76, 83.02, -51.20
CIE <sub>LCh</sub>	58, 97.538, 328.336
Yxy	25.7136, 0.3225, 0.1692
Android (android.graphics.Color)	4293408998 (0xFFE838E6)
YUV	128.4600, 50.0592, 90.8046
Hunter-Lab	50.7085, 83.8093, -54.8316

# Details

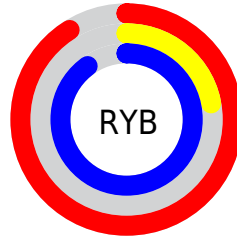
The YIQ color **128.4600, 49.0420, 91.4260** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **159.5400, -49.0420, -91.4260**, and the grayscale version is **128.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **176.9290, 36.5750, 69.5590**, and **71.2640, 46.6580, 90.5780** is the 20% darker color. If you saturate the color by 10%, you get **114.9590, 55.3670, 103.4550**, and if you desaturate by 10%, it is **141.9610, 42.7170, 79.3970**.

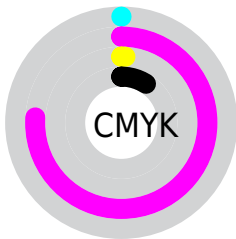
# Distribution



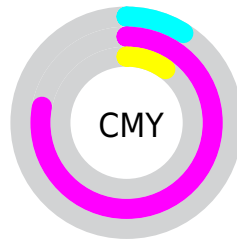
- Red (91%)
- Green (22%)
- Blue (90%)



- Red (91%)
- Yellow (22%)
- Blue (90%)



- Cyan (0%)
- Magenta (76%)
- Yellow (1%)
- Black (9%)




- Cyan (9%)
- Magenta (78%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 128.4600, 49.0420, 91.4260 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 128.4600, 49.0420, 91.4260 by changing the saturation by 10% instead.





 128.4600, 49.0420,  
91.4260


 128.4600, 49.0420,  
91.4260


255.0000, -0.0000,  
-0.0000


 83.4260, 55.5500,  
105.6460


 176.9290, 36.5750,  
69.5590


 71.2640, 46.6580,  
90.5780


 194.5390, 28.3250,  
53.8690

 59.5150, 38.0410,  
76.0330


 212.1490, 20.0750,  
38.1790

 47.7660, 29.4240,  
61.4880

 229.7590, 11.8250,  
22.4890

 36.2450, 20.1650,  
47.5650

 247.3690, 3.5750,  
6.7990

 25.3220, 12.0980,  
34.0660

 13.4310, 1.0050,

20.3410

■ 3.4370, -8.3000,  
7.2520

■ 0.0000, 0.0000,  
0.0000

■ 128.4600, 49.0420,  
91.4260

■ 128.4600, 49.0420,  
91.4260

■ 114.9590, 55.3670,  
103.4550

■ 141.9610, 42.7170,  
79.3970

■ 101.3440, 62.0130,  
115.1730

■ 155.5760, 36.0710,  
67.6790

■ 95.4740, 64.7630,  
120.4030

■ 169.6640, 29.4710,  
55.1270

■ 183.1650, 23.1460,  
43.0980

196.6660, 16.8210,  
31.0690

210.2810, 10.1750,  
19.3510

223.7820, 3.8500,  
7.3220

237.8700, -2.7500,  
-5.2300

245.6150, -6.6460,  
-11.7180

# Harmonies

## Analogous

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



129.4320, -52.3210, 39.6390



128.4600, 49.0420, 91.4260



93.1170, 104.4720, 100.0880

# Triad

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



128.4600, 49.0420, 91.4260



130.3850, 66.2580, -33.4060



126.4030, -117.5530, -22.6810

# Complementary

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



128.4600, 49.0420, 91.4260



159.5400, -49.0420, -91.4260

# 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.



115.8980, -89.3510, -49.2150



128.4600, 49.0420, 91.4260



117.8730, 8.0810, -63.8790

# Square

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



128.4600, 49.0420, 91.4260



125.7420, 114.8060, 0.8700



102.4920, -57.1140, -77.2900



128.2730, -128.3300, -9.0820



# Rectangle

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



128.4600, 49.0420, 91.4260



86.7330, 122.4480, 82.6720



102.4920, -57.1140, -77.2900



123.3250, -108.8860, -31.0780

# Sweetspot

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



128.4600, 49.0420, 91.4260



220.2530, 16.5460, 30.5460



76.0640, -56.4960, 54.7360



106.7540, 10.2210, 18.5170



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.



128.4600, 49.0420, 91.4260



118.4740, 64.7630, 120.4030



118.6560, 76.6480, 64.6800



110.5430, 3.0250, 5.7530



74.5250, 50.4170, 94.0410



22.1880, 15.1710, 27.9310



# Inverse Universe

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



128.4600, 49.0420, 91.4260



118.4740, 64.7630, 120.4030



169.3440, -76.6480, -64.6800



110.5430, 3.0250, 5.7530



74.5250, 50.4170, 94.0410



22.1880, 15.1710, 27.9310



# Previews

## White Background



This preview shows how the YIQ color 128.4600, 49.0420, 91.4260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

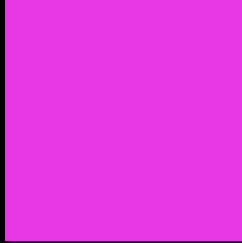
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 128.4600, 49.0420, 91.4260 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

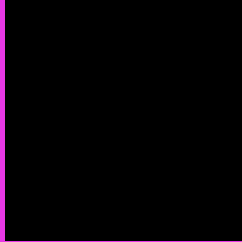
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 128.4600, 49.0420, 91.4260

## Background



This preview shows how black text looks on a background with the YIQ color 128.4600, 49.0420, 91.4260.



This preview shows how white text looks on a background with the YIQ color 128.4600, 49.0420,

91.4260.

# 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

128.4600, 49.0420, 91.4260

### Protanopia

131.3380, -73.0880, 25.0240

### Deuteranopia

135.4480, -50.3910, 15.6650



## Tritanopia

137.7810, 67.4850, 26.9810

# Trichromacy



## Original Color

128.4600, 49.0420, 91.4260



## Protanomaly

130.0330, -28.8480, 49.2640



## Deuteranomaly

132.9450, -14.2210, 42.9870



## Tritanomaly

134.3130, 61.0160, 50.6160

# Monochromacy



## Original Color

128.4600, 49.0420, 91.4260



## Achromatopsia

128.0000, -0.0000, -0.0000



## Achromatomaly

128.3180, 17.9210, 33.1610

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 128.4600, 49.0420, 91.4260 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(232, 56, 230)` looks like.

```
.text, #text, p{  
    color:rgb(232, 56, 230)  
}
```

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(232, 56, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 56, 230) }
```

## Border

The CSS property to change the border of an element to YIQ 128.4600, 49.0420, 91.4260 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(232, 56, 230) }
```



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

```
.border{ border-color:rgb(232, 56, 230) }
```

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

Here you see how a box with a 4 pixel rgb(232, 56, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 56, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 56, 230);  
box-shadow:4px 4px 4px 4px rgb(232, 56,  
230) }
```

# Background

The CSS property to change the background color of an element to YIQ 128.4600, 49.0420, 91.4260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 56, 230) }
```

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

```
.background{ background-color: rgb(232, 56,  
230) }
```

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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