

# Converting Colors

YIQ(84.7080, 72.0110, 99.1710)

Have a look what the booklet for  
YIQ(84.7080, 72.0110, 99.1710)  
contains.

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# Color

**YIQ(84.7080, 72.0110,  
99.1710)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D701AE
RGB	215, 1, 174
RGB Percent	84%, 0%, 68%
CMY	0.1562, 0.9963, 0.3175
CMYK	0.00, 1.00, 0.19, 0.16
HSL	312°, 99%, 42%
HSV	312°, 100%, 84%
XYZ	35.7242, 17.5482, 41.5684
YIQ	84.7080, 72.0110, 99.1710

# Conversions

## Conversions Part 2

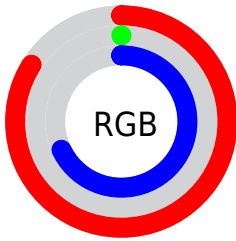
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	215, 1, 174
Decimal	14090670
CIE <sub>Lab</sub>	48.94, 80.91, -33.12
CIE <sub>LCh</sub>	49, 87.424, 337.740
Yxy	17.5482, 0.3767, 0.1850
Android (android.graphics.Color)	4292280750 (0xFFD701AE)
YUV	84.7080, 44.0210, 114.2661
Hunter-Lab	41.8905, 78.9161, -29.5108

# Details

The YIQ color **84.7080, 72.0110, 99.1710** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **131.2920, -72.0110, -99.1710**, and the grayscale version is **84.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **157.6430, 52.3000, 76.4280**, and **60.1390, 53.5390, 70.4910** is the 20% darker color. If you saturate the color by 10%, you get **84.1210, 72.2860, 99.6940**, and if you desaturate by 10%, it is **97.4910, 64.9520, 89.4320**.

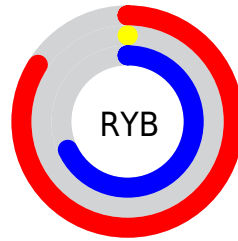
# Distribution



Red (84%)

Green (0%)

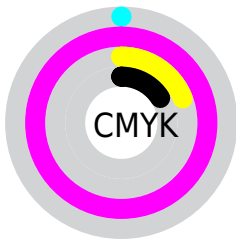
Blue (68%)



Red (84%)

Yellow (0%)

Blue (68%)

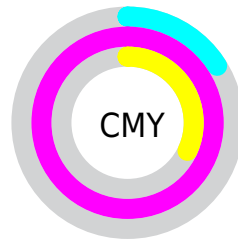


Cyan (0%)

Magenta (100%)

Yellow (19%)

Black (16%)



Cyan (16%)

Magenta (100%)

Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 84.7080, 72.0110, 99.1710 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 84.7080, 72.0110, 99.1710 by changing the saturation by 10% instead.





 84.7080, 72.0110, 99.1710


 84.7080, 72.0110, 99.1710


255.0000, -0.0000, -0.0000

 72.0730, 63.0730, 84.9370


 157.6430, 52.3000, 76.4280


 60.1390, 53.5390, 70.4910


 178.6900, 35.7500, 67.9900

 48.6180, 44.2800, 56.5680


 196.3000, 27.5000, 52.3000

 37.2110, 34.7000, 42.9560

 213.9100, 19.2500, 36.6100

 26.5160, 25.9910, 30.0790

 231.5200, 11.0000, 20.9200

 15.0380, 15.1730, 16.8770

 249.1300, 2.7500,

 0.0000, 0.0000,

5.2300

0.0000

■ 84.7080, 72.0110,  
99.1710

■ 84.7080, 72.0110,  
99.1710

■ 84.1210, 72.2860,  
99.6940

■ 97.4910, 64.9520,  
89.4320

■ 110.8610, 57.6180,  
79.1700

■ 123.6440, 50.5590,  
69.4310

■ 137.1280, 42.9040,  
59.4800

■ 150.4980, 35.5700,  
49.2180

■ 163.2810, 28.5110,  
39.4790

■ 176.6510, 21.1770,  
29.2170

■ 189.4340, 14.1180,  
19.4780

■ 202.8040, 6.7840,  
9.2160

# Harmonies

## Analogous

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



116.4630, -18.0750, 57.7730



84.7080, 72.0110, 99.1710



83.5730, 111.2150, 82.5030

# Triad

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



84.7080, 72.0110, 99.1710



107.8150, 41.5000, -36.2600



109.1860, -106.2760, -12.2920

# Complementary

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



84.7080, 72.0110, 99.1710



131.2920, -72.0110, -99.1710

# 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.



100.9780, -83.1640, -34.6840



84.7080, 72.0110, 99.1710



87.3180, -21.0330, -64.8810

# Square

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



84.7080, 72.0110, 99.1710



108.1450, 85.5100, -7.8500



90.2110, -56.9800, -57.6840



110.6630, -120.0800, 6.6080



# Rectangle

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



84.7080, 72.0110, 99.1710



76.3070, 123.0470, 66.3030



90.2110, -56.9800, -57.6840



106.6780, -99.2140, -19.1340

# Sweetspot

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



84.7080, 72.0110, 99.1710



208.6780, 25.7150, 35.0830



37.0570, -45.4500, 74.8220



99.9720, 15.5390, 21.2590



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.



84.7080, 72.0110, 99.1710



99.7290, 85.8540, 118.1260



72.7380, 105.7160, 66.5160



100.3150, 3.6670, 5.1310



66.8610, 57.6180, 79.1700



16.8470, 14.3930, 20.0010



# Inverse Universe

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



84.7080, 72.0110, 99.1710



99.7290, 85.8540, 118.1260



143.2620, -105.7160, -66.5160



100.3150, 3.6670, 5.1310



66.8610, 57.6180, 79.1700



16.8470, 14.3930, 20.0010



# Previews

## White Background



This preview shows how the YIQ color 84.7080, 72.0110, 99.1710 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

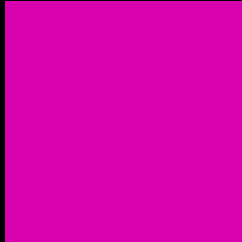
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 84.7080, 72.0110, 99.1710 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 84.7080, 72.0110, 99.1710

## Background



This preview shows how black text looks on a background with the YIQ color 84.7080, 72.0110, 99.1710.



This preview shows how white text looks on a background with the YIQ color 84.7080, 72.0110,



# 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

84.7080, 72.0110, 99.1710

### Protanopia

94.5060, -109.0320, 15.6400

### Deuteranopia

118.0580, -23.1100, 11.3380



## Tritanopia

110.6040, 81.2850, 30.1890

# Trichromacy



## Original Color

84.7080, 72.0110, 99.1710



## Protanomaly

90.9110, -43.2440, 45.8440



## Deuteranomaly

106.1190, 11.5920, 43.2400



## Tritanomaly

101.0440, 78.0710, 55.4070

# Monochromacy



## Original Color

84.7080, 72.0110, 99.1710



## Achromatopsia

85.0000, -0.0000, 0.0000



## Achromatomaly

84.5040, 26.2650, 36.1290

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 84.7080, 72.0110, 99.1710 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(215, 1, 174)` looks like.

```
.text, #text, p{  
    color:rgb(215, 1, 174)  
}
```

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(215, 1, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 1, 174) }
```

## Border

The CSS property to change the border of an element to YIQ 84.7080, 72.0110, 99.1710 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(215, 1, 174) }
```



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

```
.border{ border-color:rgb(215, 1, 174) }
```

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

Here you see how a box with a 4 pixel rgb(215, 1, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 1, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 1, 174);  
box-shadow:4px 4px 4px 4px rgb(215, 1,  
174) }
```

# Background

The CSS property to change the background color of an element to YIQ 84.7080, 72.0110, 99.1710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 1, 174) }
```

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

```
.background{ background-color: rgb(215, 1,  
174) }
```

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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