

Converting Colors

YIQ(159.8080, 11.2700, 49.0780)

Have a look what the booklet for
YIQ(159.8080, 11.2700, 49.0780)
contains.

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Color

**YIQ(159.8080, 11.2700,
49.0780)**

Conversions

Conversions Part 1

Format	Color
Hex	C97DE7
RGB	201, 125, 231
RGB Percent	79%, 49%, 91%
CMY	0.2115, 0.5099, 0.0942
CMYK	0.13, 0.46, 0.00, 0.09
HSL	283°, 69%, 70%
HSV	283°, 46%, 91%
XYZ	45.8564, 32.8544, 79.5189
YIQ	159.8080, 11.2700, 49.0780

Conversions

Conversions Part 2

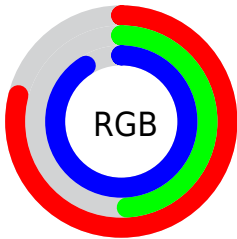
Format	Color
R _Y B	201, 125, 231
Decimal	13204967
CIE Lab	64.04, 47.14, -42.10
CIE LCh	64, 63.206, 318.232
Yxy	32.8544, 0.2898, 0.2076
Android (android.graphics.Color)	4291395047 (0xFFC97DE7)
YUV	159.8080, 35.0977, 36.1254
Hunter-Lab	57.3188, 42.4964, -42.1304

Details

The YIQ color **159.8080, 11.2700, 49.0780** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **196.1920, -11.2700, -49.0780**, and the grayscale version is **159.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **210.3880, 20.9000, 39.7480**, and **106.1560, 10.1700, 46.9860** is the 20% darker color. If you saturate the color by 10%, you get **144.5130, 14.0190, 59.8350**, and if you desaturate by 10%, it is **175.4020, 9.1170, 38.5330**.

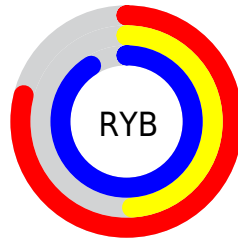
Distribution



Red (79%)

Green (49%)

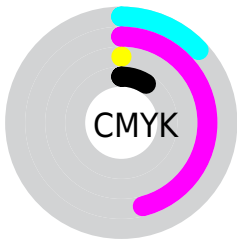
Blue (91%)



Red (79%)

Yellow (49%)

Blue (91%)

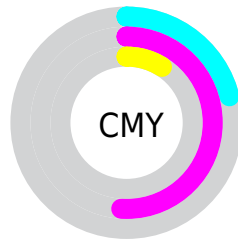


Cyan (13%)

Magenta (46%)

Yellow (0%)

Black (9%)



Cyan (21%)

Magenta (51%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 159.8080, 11.2700, 49.0780 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 159.8080, 11.2700, 49.0780 by changing the saturation by 10% instead.

■ 159.8080, 11.2700,
49.0780

■ 159.8080, 11.2700,
49.0780

■ 255.0000, -0.0000,
-0.0000

■ 132.9820, 10.7200,
48.0320

■ 210.3880, 20.9000,
39.7480

■ 106.1560, 10.1700,
46.9860

■ 226.8240, 13.2000,
25.1040

■ 79.7430, 9.8950,
46.4630

■ 243.8470, 5.2250,
9.9370

■ 52.2700, 9.8490,
47.2970

■ 30.3790, 7.9240,
43.6360

■ 20.1680, 0.7280,
30.8720

■ 8.2770, -10.3650,

17.1470

■ 3.6650, -8.9420,
7.8740

■ 0.0000, 0.0000,
0.0000

■ 159.8080, 11.2700,
49.0780

■ 159.8080, 11.2700,
49.0780

■ 144.5130, 14.0190,
59.8350

■ 175.4020, 9.1170,
38.5330

■ 128.9190, 16.1720,
70.3800

■ 190.6970, 6.3680,
27.7760

■ 113.6240, 18.9210,
81.1370

■ 206.2910, 4.2150,
17.2310

■ 98.0300, 21.0740,
91.6820

■ 221.5860, 1.4660,
6.4740

81.8490, 23.5020,
102.7500

237.1800, -0.6870,
-4.0710

75.9680, 24.7850,
107.0330

247.7790, -1.2360,
-10.6440

249.8720, 2.9360,
-9.1600

251.6660, 6.5120,
-7.8880

252.2640, 7.7040,
-7.4640

Harmonies

Analogous

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



150.3200, -55.4820, 25.3340



159.8080, 11.2700, 49.0780



155.1220, 60.2360, 53.7400

Triad

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



159.8080, 11.2700, 49.0780



149.6880, 70.1990, -22.2250



128.3800, -110.7190, -36.4070

Complementary

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



159.8080, 11.2700, 49.0780



196.1920, -11.2700, -49.0780

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.



121.0670, -91.5050, -54.2330



159.8080, 11.2700, 49.0780



144.7060, 34.2570, -42.6630

Square

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



159.8080, 11.2700, 49.0780



151.5820, 86.3780, 9.4660



136.0920, -22.7320, -50.6040



131.6180, -125.3480, -19.0760

Rectangle

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



159.8080, 11.2700, 49.0780



151.7200, 78.6230, 45.3990



136.0920, -22.7320, -50.6040



126.2140, -104.6200, -42.3160

Sweetspot

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



159.8080, 11.2700, 49.0780



230.8780, 3.9400, 16.7080



154.6940, -42.2760, 17.2760



112.9930, 1.8780, 10.0220



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.



159.8080, 11.2700, 49.0780



160.8600, 14.6600, 64.7400



166.1560, 36.5330, 48.2850



107.0590, 1.5120, 5.6400



58.6780, 18.8290, 82.8050



16.8770, 5.6810, 23.7050

Inverse Universe

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



160.1140, 53.5460, 31.8020



161.3060, 70.9210, 41.8090



189.8440, -36.5330, -48.2850



107.0440, 5.8680, 3.7880



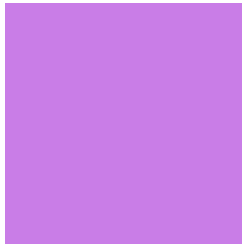
59.2210, 90.6340, 53.4980



16.8450, 25.9020, 15.1660

Previews

White Background



This preview shows how the YIQ color 159.8080, 11.2700, 49.0780 looks on a white background.

Color Contrast Check

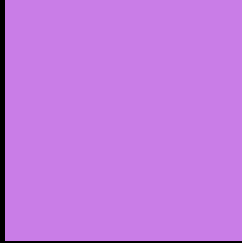
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 159.8080, 11.2700, 49.0780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

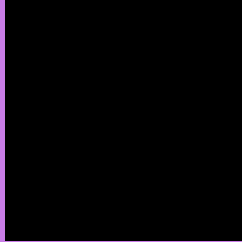
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 159.8080, 11.2700, 49.0780

Background



This preview shows how black text looks on a background with the YIQ color 159.8080, 11.2700, 49.0780.



This preview shows how white text looks on a background with the YIQ color 159.8080, 11.2700,

49.0780.

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

159.8080, 11.2700, 49.0780

Protanopia

152.6790, -55.1150, 24.1890

Deuteranopia

154.0210, -38.8830, 16.3570



Tritanopia

158.3070, 24.4810, 13.3850

Trichromacy



Original Color

159.8080, 11.2700, 49.0780

Protanomaly

155.0520, -31.0000, 33.1920

Deuteranomaly

155.8650, -20.4080, 28.4560

Tritanomaly

158.5860, 19.8020, 26.6020

Monochromacy



Original Color

159.8080, 11.2700, 49.0780

Achromatopsia

160.0000, 0.0000, -0.0000

Achromatomaly

159.8180, 4.1690, 18.0650

CSS Examples

Text

The CSS property to change the color of the text to YIQ 159.8080, 11.2700, 49.0780 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(201, 125, 231)` looks like.

```
.text, #text, p{  
    color:rgb(201, 125, 231)  
}
```

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(201, 125, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 125, 231) }
```

Border

The CSS property to change the border of an element to YIQ 159.8080, 11.2700, 49.0780 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(201, 125, 231) }
```


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

```
.border{ border-color:rgb(201, 125, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 125, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 125, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 125, 231);  
box-shadow:4px 4px 4px 4px rgb(201, 125,  
231) }
```

Background

The CSS property to change the background color of an element to YIQ 159.8080, 11.2700, 49.0780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 125, 231) }
```

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

```
.background{ background-color: rgb(201,  
125, 231) }
```

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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