

# Converting Colors

YIQ(96.8730, 67.6530, 112.0770)

Have a look what the booklet for  
YIQ(96.8730, 67.6530, 112.0770)  
contains.

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# Color

**YIQ(96.8730, 67.6530,  
112.0770)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E706D5
RGB	231, 6, 213
RGB Percent	91%, 2%, 84%
CMY	0.0934, 0.9767, 0.1646
CMYK	0.00, 0.97, 0.08, 0.09
HSL	305°, 95%, 46%
HSV	305°, 97%, 91%
XYZ	45.0875, 21.9508, 64.8297
YIQ	96.8730, 67.6530, 112.0770

# Conversions

## Conversions Part 2

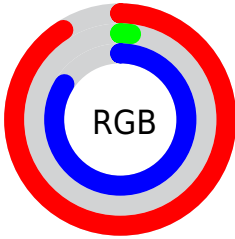
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 6, 213
Decimal	15140565
CIE Lab	53.97, 88.33, -47.61
CIE LCh	54, 100.348, 331.677
Yxy	21.9508, 0.3419, 0.1665
Android (android.graphics.Color)	4293330645 (0xFFE706D5)
YUV	96.8730, 57.2506, 117.6294
Hunter-Lab	46.8517, 89.7882, -49.2446

# Details

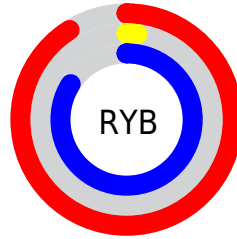
The YIQ color **96.8730, 67.6530, 112.0770** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **140.1270, -67.6530, -112.0770**, and the grayscale version is **96.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **164.0150, 42.6250, 81.0650**, and **68.8420, 50.6020, 85.1780** is the 20% darker color. If you saturate the color by 10%, you get **93.3510, 69.3030, 115.2150**, and if you desaturate by 10%, it is **110.6020, 60.6860, 100.6700**.

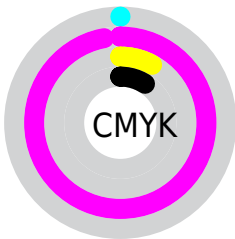
# Distribution



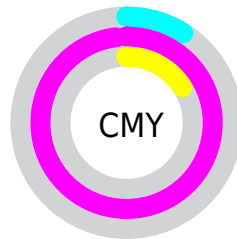
- Red (91%)
- Green (2%)
- Blue (84%)



- Red (91%)
- Yellow (2%)
- Blue (84%)



- Cyan (0%)
- Magenta (97%)
- Yellow (8%)
- Black (9%)



- Cyan (9%)
- Magenta (98%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 96.8730, 67.6530, 112.0770 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 96.8730, 67.6530, 112.0770 by changing the saturation by 10% instead.



96.8730, 67.6530,  
112.0770

96.8730, 67.6530,  
112.0770

255.0000, -0.0000,  
-0.0000

81.1890, 60.4110,  
100.1470

164.0150, 42.6250,  
81.0650

69.1410, 51.1980,  
85.3900

182.7990, 33.8250,  
64.3290

57.0930, 41.9850,  
70.6330

200.4090, 25.5750,  
48.6390

45.4580, 33.0470,  
56.3990

218.6060, 17.0500,  
32.4260

33.9370, 23.7880,  
42.4760

236.8030, 8.5250,  
16.2130

22.5300, 14.2080,  
28.8640

254.4130, 0.2750,

10.4540, 2.1980,

0.5230

15.2380

■ 0.7980, -2.2470,  
2.1770

■ 0.0000, 0.0000,  
0.0000

■ 96.8730, 67.6530,  
112.0770

■ 96.8730, 67.6530,  
112.0770

■ 93.3510, 69.3030,  
115.2150

■ 110.6020, 60.6860,  
100.6700

■ 124.3310, 53.7190,  
89.2630

■ 138.0600, 46.7520,  
77.8560

■ 151.6750, 40.1060,  
66.1380

■ 165.9910, 32.8640,  
54.2080

■ 179.7200, 25.8970,  
42.8010

■ 193.4490, 18.9300,  
31.3940

■ 207.1780, 11.9630,  
19.9870

■ 220.9070, 4.9960,  
8.5800

# Harmonies

## Analogous

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



122.7310, -42.5570, 49.9150



96.8730, 67.6530, 112.0770



90.8370, 110.8920, 93.8680

# Triad

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



96.8730, 67.6530, 112.0770



120.8830, 55.9880, -34.5080



120.6470, -115.1240, -17.1400

# Complementary

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



96.8730, 67.6530, 112.0770



140.1270, -67.6530, -112.0770

# 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.



110.1420, -86.9220, -43.6740



96.8730, 67.6530, 112.0770



104.2070, -7.5990, -66.0550

# Square

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



96.8730, 67.6530, 112.0770



117.1370, 106.3240, 0.4040



96.5080, -54.0430, -72.3710



121.8160, -125.3050, -3.3290



# Rectangle

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



96.8730, 67.6530, 112.0770



84.4530, 128.8680, 76.4520



96.5080, -54.0430, -72.3710



117.4550, -106.1360, -25.8480

# Sweetspot

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



96.8730, 67.6530, 112.0770



210.8780, 22.2760, 36.8360



36.1350, -63.2850, 73.1550



101.1290, 13.6590, 22.2910



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.



96.8730, 67.6530, 112.0770



102.9210, 76.8660, 126.8340



84.4470, 102.6420, 78.1780



107.8420, 3.6210, 5.9650



72.2170, 54.0400, 88.9520



20.6070, 15.3090, 25.4290



# Inverse Universe

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



96.8730, 67.6530, 112.0770



102.9210, 76.8660, 126.8340



152.6670, -102.9630, -77.8670



107.8420, 3.6210, 5.9650



72.2170, 54.0400, 88.9520



20.6070, 15.3090, 25.4290



# Previews

## White Background



This preview shows how the YIQ color 96.8730, 67.6530, 112.0770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

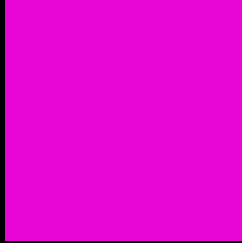
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 96.8730, 67.6530, 112.0770 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 96.8730, 67.6530, 112.0770

## Background



This preview shows how black text looks on a background with the YIQ color 96.8730, 67.6530, 112.0770.



This preview shows how white text looks on a background with the YIQ color 96.8730, 67.6530,



# 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

96.8730, 67.6530, 112.0770

### Protanopia

117.3840, -87.8970, 23.5830

### Deuteranopia

127.5150, -43.3300, 14.3500



## Tritanopia

124.9350, 78.8550, 30.1750

# Trichromacy



## Original Color

96.8730, 67.6530, 112.0770



## Protanomaly

109.8790, -31.0500, 56.1340



## Deuteranomaly

116.6200, -2.7600, 50.0400



## Tritanomaly

114.8250, 74.4940, 59.6620

# Monochromacy



## Original Color

96.8730, 67.6530, 112.0770



## Achromatopsia

97.0000, -0.0000, 0.0000



## Achromatomaly

97.0680, 24.7970, 40.7090

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 96.8730, 67.6530, 112.0770 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(231, 6, 213)` looks like.

```
.text, #text, p{  
    color:rgb(231, 6, 213)  
}
```

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(231, 6, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 6, 213) }
```

## Border

The CSS property to change the border of an element to YIQ 96.8730, 67.6530, 112.0770 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(231, 6, 213) }
```



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

```
.border{ border-color:rgb(231, 6, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 6, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 6, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 6, 213);  
box-shadow:4px 4px 4px 4px rgb(231, 6,  
213) }
```

# Background

The CSS property to change the background color of an element to YIQ 96.8730, 67.6530, 112.0770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 6, 213) }
```

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

```
.background{ background-color: rgb(231, 6,  
213) }
```

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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