

# Converting Colors

YIQ(96.6780, 115.1130, 77.9370)

Have a look what the booklet for  
YIQ(96.6780, 115.1130, 77.9370)  
contains.

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# Color

**YIQ(96.6780, 115.1130,  
77.9370)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF0F66
RGB	255, 15, 102
RGB Percent	100%, 6%, 40%
CMY	0.0000, 0.9414, 0.5996
CMYK	0.00, 0.94, 0.60, 0.00
HSL	338°, 100%, 53%
HSV	338°, 94%, 100%
XYZ	43.8126, 22.5601, 14.6416
YIQ	96.6780, 115.1130, 77.9370

# Conversions

## Conversions Part 2

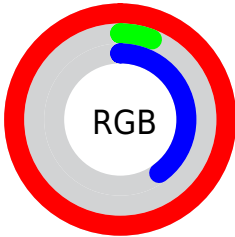
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 15, 102
Decimal	16715622
CIE Lab	54.62, 81.86, 19.29
CIE LCh	55, 84.101, 13.258
Yxy	22.5601, 0.5408, 0.2785
Android (android.graphics.Color)	4294905702 (0xFFFF0F66)
YUV	96.6780, 2.6237, 138.8484
Hunter-Lab	47.4975, 81.5314, 14.9715

# Details

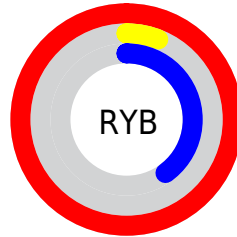
The YIQ color **96.6780, 115.1130, 77.9370** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **173.3220, -115.1130, -77.9370**, and the grayscale version is **97.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **153.5610, 74.8170, 48.2970**, and **63.1940, 95.2640, 57.6960** is the 20% darker color. If you saturate the color by 10%, you get **86.8470, 122.1270, 82.9830**, and if you desaturate by 10%, it is **113.1770, 103.1020, 69.8380**.

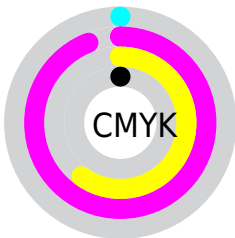
# Distribution



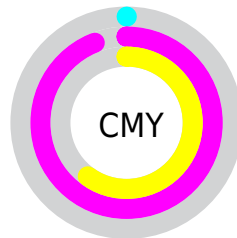
- Red (100%)
- Green (6%)
- Blue (40%)



- Red (100%)
- Yellow (6%)
- Blue (40%)



- Cyan (0%)
- Magenta (94%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (94%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 96.6780, 115.1130, 77.9370 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 96.6780, 115.1130, 77.9370 by changing the saturation by 10% instead.



■ 96.6780, 115.1130,  
77.9370

■ 96.6780, 115.1130,  
77.9370

■ 255.0000, -0.0000,  
-0.0000

■ 75.5690, 107.8700,  
71.5340

■ 153.5610, 74.8170,  
48.2970

■ 63.1940, 95.2640,  
57.6960

■ 174.7220, 57.9460,  
40.1700

■ 51.2320, 82.9330,  
44.3810

■ 196.1110, 40.4330,  
32.6650

■ 39.6830, 70.8770,  
31.5890

■ 216.9130, 23.1950,  
25.6830

■ 28.8610, 55.3360,  
21.3840

■ 237.3900, 8.2500,  
15.6900

■ 19.4780, 37.1810,  
14.5010

■ 8.7850, 16.9630,

6.4590

■ 0.0000, 0.0000,  
0.0000

■ 96.6780, 115.1130,  
77.9370

■ 96.6780, 115.1130,  
77.9370

■ 86.8470, 122.1270,  
82.9830

■ 113.1770,  
103.1020, 69.8380

■ 130.3770, 90.4950,  
61.5270

■ 146.8760, 78.4840,  
53.4280

■ 163.9620, 66.1980,  
44.8060

■ 180.4610, 54.1870,  
36.7070

■ 197.6610, 41.5800,  
28.3960

■ 214.1600, 29.5690,  
20.2970

■ 231.2460, 17.2830,  
11.6750

■ 247.7450, 5.2720,  
3.5760

# Harmonies

## Analogous

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



113.5920, 74.6730, 83.9610



96.6780, 115.1130, 77.9370



116.1340, 111.5470, 21.3950

# Triad

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



96.6780, 115.1130, 77.9370



96.1010, -28.0920, -74.6200



117.7070, -123.3800, 0.3320

# Complementary

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



96.6780, 115.1130, 77.9370



173.3220, -115.1130, -77.9370

# 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.



120.1400, -117.8300, -12.1500



96.6780, 115.1130, 77.9370



103.1370, -71.3310, -56.4110

# Square

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



96.6780, 115.1130, 77.9370



119.5770, 38.9340, -44.8260



112.9750, -96.2770, -33.8210



104.7930, -117.3300, 11.8380



# Rectangle

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



96.6780, 115.1130, 77.9370



120.8920, 96.4680, -8.2040



112.9750, -96.2770, -33.8210



120.0550, -124.4800, -1.7600

# Sweetspot

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



96.6780, 115.1130, 77.9370



208.1930, 33.9700, 23.1380



87.8080, 13.5520, 106.8640



98.9800, 21.0880, 14.3040



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.



96.6780, 115.1130, 77.9370



86.8470, 122.1270, 82.9830



105.5440, 134.2400, 34.1440



119.3430, 6.4640, 4.0000



64.9750, 91.6870, 61.9510



21.7580, 30.7610, 20.7210



# Inverse Universe

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



96.6780, 115.1130, 77.9370



86.8470, 122.1270, 82.9830



164.4560, -134.2400, -34.1440



119.3430, 6.4640, 4.0000



64.9750, 91.6870, 61.9510



21.7580, 30.7610, 20.7210



# Previews

## White Background



This preview shows how the YIQ color 96.6780, 115.1130, 77.9370 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

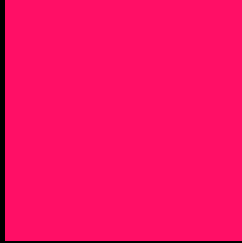
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 96.6780, 115.1130, 77.9370 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

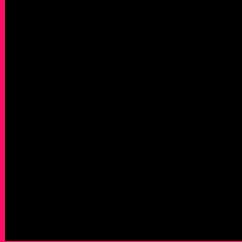
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 96.6780, 115.1130, 77.9370

## Background



This preview shows how black text looks on a background with the YIQ color 96.6780, 115.1130, 77.9370.



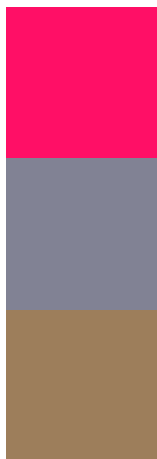
This preview shows how white text looks on a background with the YIQ color 96.6780, 115.1130,



# 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

96.6780, 115.1130, 77.9370

### Protanopia

131.7530, -6.3740, 5.3860

### Deuteranopia

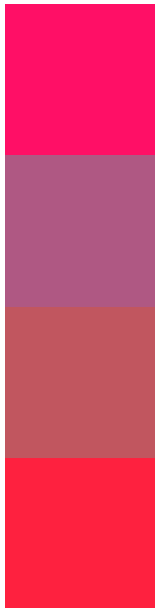
131.2790, 29.7110, -4.3130



## Tritanopia

105.5620, 125.8020, 43.8980

# Trichromacy



## Original Color

96.6780, 115.1130, 77.9370

## Protanomaly

118.9150, 38.0490, 31.8170

## Deuteranomaly

119.0190, 60.8830, 25.4830

## Tritanomaly

102.4990, 122.0860, 56.1820

# Monochromacy



## Original Color

96.6780, 115.1130, 77.9370

## Achromatopsia

97.0000, -0.0000, 0.0000

## Achromatomaly

96.6610, 41.5800, 28.3960

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 96.6780, 115.1130, 77.9370 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(255, 15, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 15, 102)  
}
```

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(255, 15, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 15, 102) }
```

## Border

The CSS property to change the border of an element to YIQ 96.6780, 115.1130, 77.9370 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(255, 15, 102) }
```



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

```
.border{ border-color:rgb(255, 15, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 15, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 15, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 15, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 15,  
102) }
```

# Background

The CSS property to change the background color of an element to YIQ 96.6780, 115.1130, 77.9370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 15, 102) }
```

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

```
.background{ background-color: rgb(255, 15,  
102) }
```

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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