

# Converting Colors

YIQ(75.4760, 69.3080, 87.5800)

Have a look what the booklet for  
YIQ(75.4760, 69.3080, 87.5800)  
contains.

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# Color

**YIQ(75.4760, 69.3080,  
87.5800)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C40094
RGB	196, 0, 148
RGB Percent	77%, 0%, 58%
CMY	0.2308, 0.9999, 0.4194
CMYK	0.00, 1.00, 0.25, 0.23
HSL	315°, 100%, 38%
HSV	315°, 100%, 77%
XYZ	28.1506, 13.8943, 29.2321
YIQ	75.4760, 69.3080, 87.5800

# Conversions

## Conversions Part 2

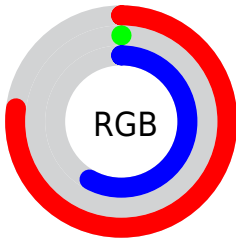
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 0, 148
Decimal	12845204
CIE <sub>Lab</sub>	44.08, 74.32, -25.43
CIE <sub>LCh</sub>	44, 78.550, 341.107
Yxy	13.8943, 0.3949, 0.1949
Android (android.graphics.Color)	4291035284 (0xFFC40094)
YUV	75.4760, 35.7543, 105.6995
Hunter-Lab	37.2750, 69.5740, -20.4043

# Details

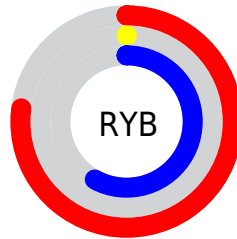
The YIQ color **75.4760, 69.3080, 87.5800** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **120.5240, -69.3080, -87.5800**, and the grayscale version is **75.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **150.9290, 62.9380, 70.8580**, and **52.0210, 50.5150, 59.2110** is the 20% darker color. If you saturate the color by 10%, you get **75.4760, 69.3080, 87.5800**, and if you desaturate by 10%, it is **87.7860, 62.2030, 78.6750**.

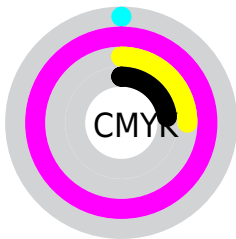
# Distribution



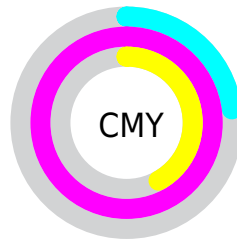
- Red (77%)
- Green (0%)
- Blue (58%)



- Red (77%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (23%)




- Cyan (23%)
- Magenta (100%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 75.4760, 69.3080, 87.5800 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 75.4760, 69.3080, 87.5800 by changing the saturation by 10% instead.





 75.4760, 69.3080,  
87.5800


 75.4760, 69.3080,  
87.5800


255.0000, -0.0000,  
-0.0000


 63.5420, 59.7740,  
73.1340


 150.9290, 62.9380,  
70.8580


 52.0210, 50.5150,  
59.2110


 171.8450, 45.3790,  
64.1870


 40.6140, 40.9350,  
45.5990


 192.1910, 29.4250,  
55.9610

 29.6200, 31.6300,  
32.5100

 209.2140, 21.4500,  
40.7940

 18.8540, 21.6830,  
20.0430

 226.8240, 13.2000,  
25.1040

 4.1860, 8.3440,  
2.9680

 244.4340, 4.9500,

 0.0000, 0.0000,

9.4140

0.0000

■ 75.4760, 69.3080,  
87.5800

■ 87.7860, 62.2030,  
78.6750

■ 99.5090, 55.3730,  
70.2930

■ 111.7050, 48.5890,  
61.0770

■ 123.4280, 41.7590,  
52.6950

■ 135.7380, 34.6540,  
43.7900

■ 148.0480, 27.5490,  
34.8850

■ 159.7710, 20.7190,  
26.5030

■ 172.0810, 13.6140,  
17.5980

■ 184.2770, 6.8300,  
8.3820

# Harmonies

## Analogous

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



104.9880, -6.6120, 53.7720



75.4760, 69.3080, 87.5800



73.4480, 100.9010, 71.1810

# Triad

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



75.4760, 69.3080, 87.5800



95.6770, 33.2010, -34.5350



97.9700, -96.7400, -8.9000

# Complementary

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



75.4760, 69.3080, 87.5800



120.5240, -69.3080, -87.5800

# 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.



91.4890, -77.1130, -28.7050



75.4760, 69.3080, 87.5800



71.6140, -33.5500, -63.8060

# Square

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



75.4760, 69.3080, 87.5800



97.7350, 71.9850, -10.5350



81.7480, -53.8180, -48.9060



98.3070, -107.3340, 6.8900



# Rectangle

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



75.4760, 69.3080, 87.5800



77.1330, 105.2610, 47.2210



81.7480, -53.8180, -48.9060



96.3910, -90.9160, -15.3320

# Sweetspot

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



75.4760, 69.3080, 87.5800



208.2220, 26.9990, 33.8390



36.0980, -35.5000, 70.7080



99.6300, 16.5020, 20.3260



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.



75.4760, 69.3080, 87.5800



98.1330, 90.3480, 113.7720



64.5320, 100.1240, 57.7240



90.9020, 3.3920, 4.6080



61.9330, 57.1150, 71.7630



12.7170, 11.6430, 14.7710



# Inverse Universe

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



75.4760, 69.3080, 87.5800



98.1330, 90.3480, 113.7720



131.4680, -100.1240, -57.7240



90.9020, 3.3920, 4.6080



61.9330, 57.1150, 71.7630



12.7170, 11.6430, 14.7710



# Previews

## White Background



This preview shows how the YIQ color 75.4760, 69.3080, 87.5800 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

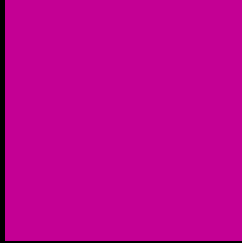
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 75.4760, 69.3080, 87.5800 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

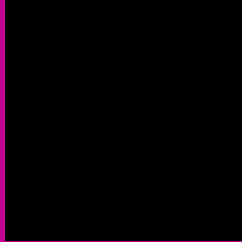
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 75.4760, 69.3080, 87.5800**

## **Background**



This preview shows how black text looks on a background with the YIQ color 75.4760, 69.3080, 87.5800.



This preview shows how white text looks on a background with the YIQ color 75.4760, 69.3080,



# 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

75.4760, 69.3080, 87.5800

### Protanopia

95.7630, -73.0870, 19.4970

### Deuteranopia

107.3810, -13.8940, 9.5140



## Tritanopia

97.8100, 77.7090, 28.9170

# Trichromacy



## Original Color

75.4760, 69.3080, 87.5800



## Protanomaly

88.7640, -20.9610, 43.9910



## Deuteranomaly

95.8820, 16.4530, 37.7410



## Tritanomaly

89.7290, 74.4040, 50.2760

# Monochromacy



## Original Color

75.4760, 69.3080, 87.5800



## Achromatopsia

76.0000, -0.0000, -0.0000



## Achromatomaly

75.6840, 25.5780, 32.0580

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 75.4760, 69.3080, 87.5800 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(196, 0, 148)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 148)  
}
```

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(196, 0, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 148) }
```

## Border

The CSS property to change the border of an element to YIQ 75.4760, 69.3080, 87.5800 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(196, 0, 148) }
```



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

```
.border{ border-color:rgb(196, 0, 148) }
```

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

Here you see how a box with a 4 pixel rgb(196, 0, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 148);  
box-shadow:4px 4px 4px 4px rgb(196, 0,  
148) }
```

# Background

The CSS property to change the background color of an element to YIQ 75.4760, 69.3080, 87.5800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 0, 148) }
```

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

```
.background{ background-color: rgb(196, 0,  
148) }
```

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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