

# Converting Colors

YIQ(84.0760, 85.3540, 94.1380)

Have a look what the booklet for  
YIQ(84.0760, 85.3540, 94.1380)  
contains.

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# Color

**YIQ(84.0760, 85.3540,  
94.1380)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E00096
RGB	224, 0, 150
RGB Percent	88%, 0%, 59%
CMY	0.1209, 0.9998, 0.4115
CMYK	0.00, 1.00, 0.33, 0.12
HSL	320°, 100%, 44%
HSV	320°, 100%, 88%
XYZ	36.2996, 18.0767, 30.4541
YIQ	84.0760, 85.3540, 94.1380

# Conversions

## Conversions Part 2

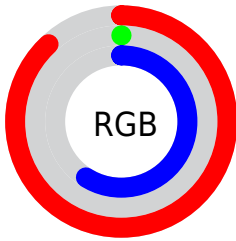
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 0, 150
Decimal	14680214
CIE <sub>Lab</sub>	49.59, 80.05, -17.71
CIE <sub>LCh</sub>	50, 81.989, 347.525
Yxy	18.0767, 0.4279, 0.2131
Android (android.graphics.Color)	4292870294 (0xFFE00096)
YUV	84.0760, 32.5005, 122.7133
Hunter-Lab	42.5167, 77.9944, -12.7069

# Details

The YIQ color **84.0760, 85.3540, 94.1380** 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 **139.9240, -85.3540, -94.1380**, and the grayscale version is **84.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **154.6790, 60.6460, 68.3420**, and **60.0230, 65.3690, 65.3450** is the 20% darker color. If you saturate the color by 10%, you get **84.0760, 85.3540, 94.1380**, and if you desaturate by 10%, it is **97.7880, 77.0570, 84.8090**.

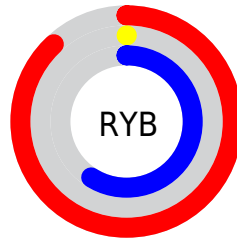
# Distribution



Red (88%)

Green (0%)

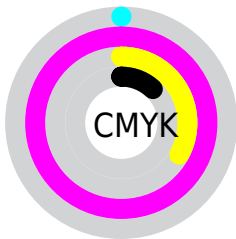
Blue (59%)



Red (88%)

Yellow (0%)

Blue (59%)

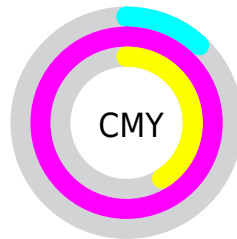


Cyan (0%)

Magenta (100%)

Yellow (33%)

Black (12%)



Cyan (12%)

Magenta (100%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 84.0760, 85.3540, 94.1380 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 84.0760, 85.3540, 94.1380 by changing the saturation by 10% instead.





 84.0760, 85.3540,  
94.1380


 84.0760, 85.3540,  
94.1380


255.0000, -0.0000,  
-0.0000

 71.8430, 75.2240,  
79.4800


 154.6790, 60.6460,  
68.3420


 60.0230, 65.3690,  
65.3450


 176.1820, 42.8120,  
61.1480


 48.3170, 55.1930,  
51.5210


 196.8870, 27.2250,  
51.7770

 37.0240, 45.2920,  
38.2200

 214.4970, 18.9750,  
36.0870

 26.3720, 35.0240,  
26.0640

 232.1070, 10.7250,  
20.3970

 13.9820, 26.7740,  
10.3740

 249.7170, 2.4750,

 0.0000, 0.0000,

4.7070

0.0000

■ 84.0760, 85.3540,  
94.1380

■ 97.7880, 77.0570,  
84.8090

■ 112.2010, 68.1640,  
75.2680

■ 125.9130, 59.8670,  
65.9390

■ 140.3260, 50.9740,  
56.3980

■ 154.0380, 42.6770,  
47.0690

■ 168.4510, 33.7840,  
37.5280

■ 182.1630, 25.4870,  
28.1990

■ 195.8750, 17.1900,  
18.8700

■ 210.2880, 8.2970,  
9.3290

# Harmonies

## Analogous

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



117.9520, 11.4050, 63.1570



84.0760, 85.3540, 94.1380



79.4990, 114.0590, 75.0110

# Triad

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



84.0760, 85.3540, 94.1380



106.2430, 28.2510, -43.9490



110.3090, -110.8160, -7.1040

# Complementary

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



84.0760, 85.3540, 94.1380



139.9240, -85.3540, -94.1380

# 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.



104.3010, -91.1430, -27.7430



84.0760, 85.3540, 94.1380



81.5930, -38.2250, -72.6970

# Square

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



84.0760, 85.3540, 94.1380



110.9810, 70.9320, -18.9880



94.8050, -67.1600, -49.4000



108.3150, -118.9800, 8.7000



# Rectangle

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



84.0760, 85.3540, 94.1380



99.4300, 108.1980, 32.5340



94.8050, -67.1600, -49.4000



108.7300, -104.9920, -13.5360

# Sweetspot

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



84.0760, 85.3540, 94.1380



207.5380, 28.9250, 31.9730



46.7650, -29.5880, 84.7160



99.1740, 17.7860, 19.0820



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.



84.0760, 85.3540, 94.1380



95.7390, 97.0890, 107.2410



71.6500, 120.3430, 60.2390



105.0870, 4.3090, 4.5090



66.0760, 67.0180, 74.0100



18.0000, 18.3360, 20.1280



# Inverse Universe

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



84.0760, 85.3540, 94.1380



95.7390, 97.0890, 107.2410



152.3500, -120.3430, -60.2390



105.0870, 4.3090, 4.5090



66.0760, 67.0180, 74.0100



18.0000, 18.3360, 20.1280



# Previews

## White Background



This preview shows how the YIQ color 84.0760, 85.3540, 94.1380 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

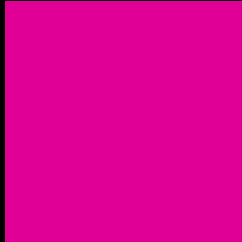
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 84.0760, 85.3540, 94.1380 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

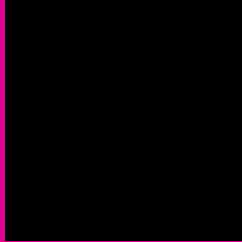
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**YIQ 84.0760, 85.3540, 94.1380**

## **Background**



This preview shows how black text looks on a background with the YIQ color 84.0760, 85.3540, 94.1380.



This preview shows how white text looks on a background with the YIQ color 84.0760, 85.3540,



# 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

84.0760, 85.3540, 94.1380

### Protanopia

114.9020, -57.3610, 20.8390

### Deuteranopia

121.1170, -4.4030, 8.2130



## Tritanopia

106.8830, 93.8010, 34.6410

# Trichromacy



## Original Color

84.0760, 85.3540, 94.1380



## Protanomaly

103.4840, -5.3730, 47.8350



## Deuteranomaly

107.3950, 28.1900, 39.7900



## Tritanomaly

98.8020, 90.4960, 56.0000

# Monochromacy



## Original Color

84.0760, 85.3540, 94.1380



## Achromatopsia

84.0000, -0.0000, -0.0000



## Achromatomaly

83.7880, 31.2170, 34.4890

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 84.0760, 85.3540, 94.1380 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(224, 0, 150)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 150)  
}
```

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(224, 0, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 150) }
```

## Border

The CSS property to change the border of an element to YIQ 84.0760, 85.3540, 94.1380 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(224, 0, 150) }
```



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

```
.border{ border-color:rgb(224, 0, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 0, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 150);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
150) }
```

# Background

The CSS property to change the background color of an element to YIQ 84.0760, 85.3540, 94.1380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 150) }
```

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

```
.background{ background-color: rgb(224, 0,  
150) }
```

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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