

# Converting Colors

YIQ(79.8580, 97.2310, 82.6310)

Have a look what the booklet for  
YIQ(79.8580, 97.2310, 82.6310)  
contains.

<b>YIQ(79.8580, 97.2310, 82.6310)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(79.8580, 97.2310,  
82.6310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E00071
RGB	224, 0, 113
RGB Percent	88%, 0%, 44%
CMY	0.1210, 0.9998, 0.5566
CMYK	0.00, 1.00, 0.50, 0.12
HSL	330°, 100%, 44%
HSV	330°, 100%, 88%
XYZ	33.7731, 17.0659, 17.1593
YIQ	79.8580, 97.2310, 82.6310

# Conversions

## Conversions Part 2

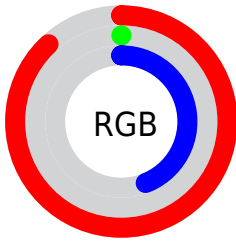
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 0, 113
Decimal	14680177
CIE <sub>Lab</sub>	48.34, 76.80, 2.91
CIE <sub>LCh</sub>	48, 76.860, 2.167
Yxy	17.0659, 0.4967, 0.2510
Android (android.graphics.Color)	4292870257 (0xFFE00071)
YUV	79.8580, 16.3390, 126.4125
Hunter-Lab	41.3108, 73.6362, 4.2904

# Details

The YIQ color **79.8580, 97.2310, 82.6310** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **144.1420, -97.2310, -82.6310**, and the grayscale version is **80.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **148.9450, 74.0360, 56.9480**, and **55.9620, 75.3660, 54.8700** is the 20% darker color. If you saturate the color by 10%, you get **79.8580, 97.2310, 82.6310**, and if you desaturate by 10%, it is **94.0260, 87.6500, 74.5460**.

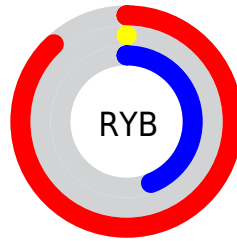
# Distribution



Red (88%)

Green (0%)

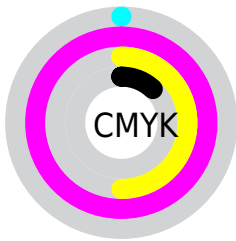
Blue (44%)



Red (88%)

Yellow (0%)

Blue (44%)

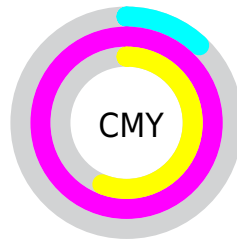


Cyan (0%)

Magenta (100%)

Yellow (50%)

Black (12%)



Cyan (12%)

Magenta (100%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 79.8580, 97.2310, 82.6310 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 79.8580, 97.2310, 82.6310 by changing the saturation by 10% instead.




 79.8580, 97.2310,  
82.6310


 79.8580, 97.2310,  
82.6310


255.0000, -0.0000,  
-0.0000


 67.8530, 86.4590,  
68.5950


 149.6460, 73.4400,  
56.7360


 55.9620, 75.3660,  
54.8700


 170.3340, 56.5230,  
49.4430


 44.1850, 63.9520,  
41.4560


 191.6090, 39.3310,  
41.6270

 32.9350, 52.4920,  
28.8760

 211.9380, 22.0470,  
35.4790

 21.9840, 41.6280,  
16.5080

 230.3460, 11.5500,  
21.9660

 12.0740, 23.5190,  
8.7910

 248.5430, 3.0250,

 0.0000, 0.0000,

5.7530

0.0000

■ 79.8580, 97.2310,  
82.6310

■ 94.0260, 87.6500,  
74.5460

■ 108.7810, 77.7940,  
65.9380

■ 122.9490, 68.2130,  
57.8530

■ 137.8180, 58.0360,  
49.5560

■ 151.9860, 48.4550,  
41.4710

■ 166.7410, 38.5990,  
32.8630

■ 180.9090, 29.0180,  
24.7780

■ 195.0770, 19.4370,  
16.6930

■ 209.8320, 9.5810,  
8.0850

# Harmonies

## Analogous

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



108.7080, 44.5070, 68.9790



79.8580, 97.2310, 82.6310



97.2970, 101.5030, 38.2310

# Triad

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



79.8580, 97.2310, 82.6310



96.3430, 4.1820, -53.7860



106.6390, -111.5050, -0.1210

# Complementary

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



79.8580, 97.2310, 82.6310



144.1420, -97.2310, -82.6310

# 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.



104.2160, -97.7930, -17.3530



79.8580, 97.2310, 82.6310



86.4780, -53.3580, -57.2460

# Square

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



79.8580, 97.2310, 82.6310



107.5820, 49.7060, -30.7900



96.8060, -76.9280, -37.5680



99.7720, -112.8370, 13.0110



# Rectangle

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



79.8580, 97.2310, 82.6310



102.9390, 98.2540, 3.4860



96.8060, -76.9280, -37.5680



106.4450, -108.2030, -4.8990

# Sweetspot

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



79.8580, 97.2310, 82.6310



206.0560, 33.0980, 27.9300



57.8280, -7.5360, 92.5600



98.3760, 20.0330, 16.9050



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.



79.8580, 97.2310, 82.6310



90.9510, 110.5710, 94.1790



67.4320, 132.2200, 48.7320



104.9730, 4.6300, 4.1980



62.7700, 76.3270, 64.9910



17.0880, 20.9040, 17.6400



# Inverse Universe

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



79.8580, 97.2310, 82.6310



90.9510, 110.5710, 94.1790



156.5680, -132.2200, -48.7320



104.9730, 4.6300, 4.1980



62.7700, 76.3270, 64.9910



17.0880, 20.9040, 17.6400



# Previews

## White Background



This preview shows how the YIQ color 79.8580, 97.2310, 82.6310 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



## 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 79.8580, 97.2310, 82.6310**

## **Background**



This preview shows how black text looks on a background with the YIQ color 79.8580, 97.2310, 82.6310.



This preview shows how white text looks on a background with the YIQ color 79.8580, 97.2310,



# 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

79.8580, 97.2310, 82.6310

### Protanopia

116.5850, -23.1560, 12.1720

### Deuteranopia

117.3670, 15.0840, 1.9640



## Tritanopia

97.6240, 104.8960, 37.3120

# Trichromacy



## Original Color

79.8580, 97.2310, 82.6310



## Protanomaly

103.0350, 20.3960, 37.8680



## Deuteranomaly

103.5090, 45.0640, 31.3360



## Tritanomaly

91.3810, 101.8670, 53.6670

# Monochromacy



## Original Color

79.8580, 97.2310, 82.6310



## Achromatopsia

80.0000, 0.0000, -0.0000



## Achromatomaly

79.8930, 35.1150, 29.9230

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 79.8580, 97.2310, 82.6310 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 113) }
```

## Border

The CSS property to change the border of an element to YIQ 79.8580, 97.2310, 82.6310 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, 113) }
```



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

```
.border{ border-color:rgb(224, 0, 113) }
```

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, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
113) }
```

# Background

The CSS property to change the background color of an element to YIQ 79.8580, 97.2310, 82.6310 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, 113) }
```

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

```
.background{ background-color: rgb(224, 0,  
113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor