

# Converting Colors

YIQ(113.9860, 58.7640, 80.4280)

Have a look what the booklet for  
YIQ(113.9860, 58.7640, 80.4280)  
contains.

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# Color

**YIQ(113.9860, 58.7640,  
80.4280)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DC2EBA
RGB	220, 46, 186
RGB Percent	86%, 18%, 73%
CMY	0.1368, 0.8198, 0.2705
CMYK	0.00, 0.79, 0.15, 0.14
HSL	312°, 71%, 52%
HSV	312°, 79%, 86%
XYZ	39.3944, 20.7304, 48.3972
YIQ	113.9860, 58.7640, 80.4280

# Conversions

## Conversions Part 2

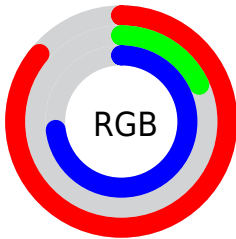
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 46, 186
Decimal	14429882
CIE Lab	52.65, 76.87, -34.27
CIE LCh	53, 84.166, 335.976
Yxy	20.7304, 0.3630, 0.1910
Android (android.graphics.Color)	4292619962 (0xFFDC2EBA)
YUV	113.9860, 35.5029, 92.9743
Hunter-Lab	45.5307, 74.7643, -31.1513

# Details

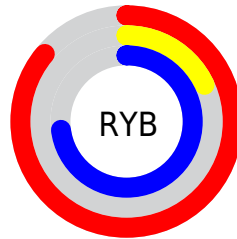
The YIQ color **113.9860, 58.7640, 80.4280** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **152.0140, -58.7640, -80.4280**, and the grayscale version is **114.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **169.6910, 43.1770, 71.0570**, and **63.1870, 53.5840, 75.1840** is the 20% darker color. If you saturate the color by 10%, you get **100.6160, 66.0980, 90.6900**, and if you desaturate by 10%, it is **127.3560, 51.4300, 70.1660**.

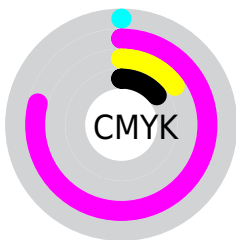
# Distribution



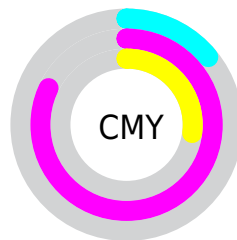
- Red (86%)
- Green (18%)
- Blue (73%)



- Red (86%)
- Yellow (18%)
- Blue (73%)



- Cyan (0%)
- Magenta (79%)
- Yellow (15%)
- Black (14%)




- Cyan (14%)
- Magenta (82%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 113.9860, 58.7640, 80.4280 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 113.9860, 58.7640, 80.4280 by changing the saturation by 10% instead.





 113.9860, 58.7640,  
80.4280


 113.9860, 58.7640,  
80.4280


255.0000, -0.0000,  
-0.0000


 74.9360, 62.2010,  
89.7290


 169.6910, 43.1770,  
71.0570


 63.1870, 53.5840,  
75.1840

 188.6690, 31.0750,  
59.0990


 51.6660, 44.3250,  
61.2610


 205.6920, 23.1000,  
43.9320

 40.1450, 35.0660,  
47.3380

 223.3020, 14.8500,  
28.2420

 29.4500, 26.3570,  
34.4610

 240.9120, 6.6000,  
12.5520

 18.1570, 16.4560,  
21.1600

 1.2540, -3.5310,

3.4210

■ 0.0000, 0.0000,  
0.0000

■ 113.9860, 58.7640,  
80.4280

■ 113.9860, 58.7640,  
80.4280

■ 100.6160, 66.0980,  
90.6900

■ 127.3560, 51.4300,  
70.1660

■ 87.1320, 73.7530,  
100.6410

■ 140.8400, 43.7750,  
60.2150

■ 85.9580, 74.3030,  
101.6870

■ 154.2100, 36.4410,  
49.9530

■ 167.5800, 29.1070,  
39.6910

■ 181.0640, 21.4520,  
29.7400

■ 194.4340, 14.1180,  
19.4780

■ 207.8040, 6.7840,  
9.2160

■ 221.2880, -0.8710,  
-0.7350

■ 234.6580, -8.2050,  
-10.9970

# Harmonies

## Analogous

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



126.9030, -22.4300, 54.0980



113.9860, 58.7640, 80.4280



87.2620, 110.8930, 88.3410

# Triad

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



113.9860, 58.7640, 80.4280



116.9960, 48.2400, -37.2640



114.9250, -110.0350, -15.7550

# Complementary

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



113.9860, 58.7640, 80.4280



152.0140, -58.7640, -80.4280

# 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.



106.8310, -87.2440, -37.8360



113.9860, 58.7640, 80.4280



101.8700, -5.0320, -63.0160

# Square

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



113.9860, 58.7640, 80.4280



117.3150, 90.7830, -9.8010



96.2920, -61.7020, -60.2140



116.5330, -122.8300, 1.3780



# Rectangle

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



113.9860, 58.7640, 80.4280



98.9050, 115.0710, 56.6630



96.2920, -61.7020, -60.2140



113.0040, -103.2480, -23.1200

# Sweetspot

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



113.9860, 58.7640, 80.4280



217.8250, 20.6270, 28.1710



75.4040, -36.7820, 60.8980



105.3690, 12.7430, 16.8630



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.



113.9860, 58.7640, 80.4280



107.5880, 81.6370, 111.9490



104.2960, 86.0490, 53.9930



103.3150, 3.6670, 5.1310



67.5730, 58.4890, 79.9050



17.9720, 15.5390, 21.2590



# Inverse Universe

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



113.9860, 58.7640, 80.4280



107.5880, 81.6370, 111.9490



161.7040, -86.0490, -53.9930



103.3150, 3.6670, 5.1310



67.5730, 58.4890, 79.9050



17.9720, 15.5390, 21.2590



# Previews

## White Background



This preview shows how the YIQ color 113.9860, 58.7640, 80.4280 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

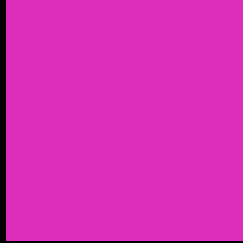
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 113.9860, 58.7640, 80.4280 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

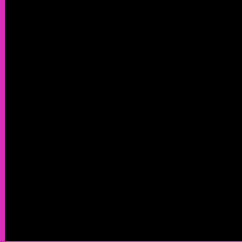
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 113.9860, 58.7640, 80.4280

## Background



This preview shows how black text looks on a background with the YIQ color 113.9860, 58.7640, 80.4280.



This preview shows how white text looks on a background with the YIQ color 113.9860, 58.7640,



# 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

113.9860, 58.7640, 80.4280

### Protanopia

113.5690, -86.9800, 23.4840

### Deuteranopia

126.3290, -25.3110, 12.6810



## Tritanopia

121.8420, 74.6830, 28.6910

# Trichromacy



## Original Color

113.9860, 58.7640, 80.4280



## Protanomaly

113.6470, -33.7530, 44.5430



## Deuteranomaly

121.7220, 5.2200, 37.5720



## Tritanomaly

119.2120, 68.4900, 47.3220

# Monochromacy



## Original Color

113.9860, 58.7640, 80.4280



## Achromatopsia

114.0000, 0.0000, 0.0000



## Achromatomaly

113.9500, 21.7730, 29.4290

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 113.9860, 58.7640, 80.4280 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(220, 46, 186)` looks like.

```
.text, #text, p{  
    color:rgb(220, 46, 186)  
}
```

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(220, 46, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 46, 186) }
```

## Border

The CSS property to change the border of an element to YIQ 113.9860, 58.7640, 80.4280 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(220, 46, 186) }
```



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

```
.border{ border-color:rgb(220, 46, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 46, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 46, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 46, 186);  
box-shadow:4px 4px 4px 4px rgb(220, 46,  
186) }
```

# Background

The CSS property to change the background color of an element to YIQ 113.9860, 58.7640, 80.4280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 46, 186) }
```

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

```
.background{ background-color: rgb(220, 46,  
186) }
```

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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