

# Converting Colors

YIQ(103.5050, 79.5320, 89.5160)

Have a look what the booklet for  
YIQ(103.5050, 79.5320, 89.5160)  
contains.

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# Color

**YIQ(103.5050, 79.5320,  
89.5160)**

# Conversions

Conversions Part 1	
Format	Color
Hex	EB18A8
RGB	235, 24, 168
RGB Percent	92%, 9%, 66%
CMY	0.0778, 0.9061, 0.3410
CMYK	0.00, 0.90, 0.29, 0.08
HSL	319°, 84%, 51%
HSV	319°, 90%, 92%
XYZ	41.7083, 21.1666, 38.9585
YIQ	103.5050, 79.5320, 89.5160

# Conversions

## Conversions Part 2

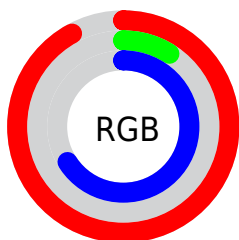
Format	Color
<a href="#">RYB</a>	<a href="#">235, 24, 168</a>
Decimal	<a href="#">15407272</a>
CIELab	<a href="#">53.13, 81.97, -22.79</a>
CIELCh	<a href="#">53, 85.084, 344.461</a>
Yxy	<a href="#">21.1666, 0.4096, 0.2079</a>
Android (android.graphics.Color)	<a href="#">4293597352</a> (0xFFEB18A8)
YUV	<a href="#">103.5050, 31.7960, 115.3211</a>
Hunter-Lab	<a href="#">46.0072, 81.3088, -18.0013</a>

# Details

The YIQ color **103.5050, 79.5320, 89.5160** 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 **155.4950, -79.5320, -89.5160**, and the grayscale version is **103.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **162.1280, 52.0720, 69.5440**, and **65.2500, 66.4680, 72.9640** is the 20% darker color. If you saturate the color by 10%, you get **88.6190, 88.3790, 99.8910**, and if you desaturate by 10%, it is **117.9180, 70.6390, 79.9750**.

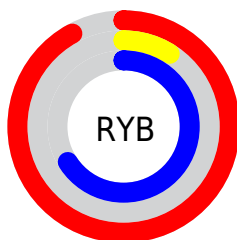
# Distribution



Red (92%)

Green (9%)

Blue (66%)



Red (92%)

Yellow (9%)

Blue (66%)

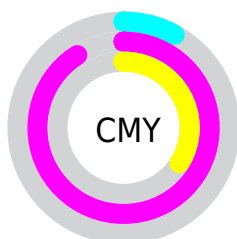


Cyan (0%)

Magenta (90%)

Yellow (29%)

Black (8%)



Cyan (8%)

Magenta (91%)

Yellow (34%)

# Brightness & Saturation


## Gradients

These gradients show how the YIQ color 103.5050, 79.5320, 89.5160 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 103.5050, 79.5320, 89.5160 by changing the saturation by 10% instead.





 103.5050, 79.5320,  
89.5160


 103.5050, 79.5320,  
89.5160


255.0000, -0.0000,  
-0.0000


 77.1840, 76.0020,  
87.4100


 162.1280, 52.0720,  
69.5440


 65.2500, 66.4680,  
72.9640


 183.6310, 34.2380,  
62.3500

 53.4300, 56.6130,  
58.8290


 201.5830, 25.0250,  
47.5930

 41.7240, 46.4370,  
45.0050

 219.7800, 16.5000,  
31.3800


 30.8440, 36.8110,  
32.2270


 237.3900, 8.2500,  
15.6900


 19.4800, 25.6720,  
19.3360


 6.2790, 12.5160,


4.4520


 0.0000, 0.0000,  
0.0000


 103.5050, 79.5320,  
89.5160


 103.5050, 79.5320,  
89.5160


 88.6190, 88.3790,  
99.8910


 117.9180, 70.6390,  
79.9750


 88.5050, 88.7000,  
99.5800


 132.8040, 61.7920,  
69.6000


 147.1030, 53.2200,  
59.7480

 162.1030, 44.0520,  
49.6840

 176.9890, 35.2050,  
39.3090

 191.4020, 26.3120,  
29.7680

 206.2880, 17.4650,  
19.3930

 220.7010, 8.5720,  
9.8520

 235.5870, -0.2750,  
-0.5230

# Harmonies

## Analogous

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



128.1730, 3.4730, 63.7370



103.5050, 79.5320, 89.5160



85.8790, 119.1010, 82.7570

# Triad

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



103.5050, 79.5320, 89.5160



115.7230, 35.5870, -44.7410



117.6780, -116.4090, -10.3690

# Complementary

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



103.5050, 79.5320, 89.5160



155.4950, -79.5320, -89.5160

# 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.



110.6270, -95.1770, -31.7290



103.5050, 79.5320, 89.5160



87.4630, -40.9750, -77.9270

# Square

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



103.5050, 79.5320, 89.5160



119.2980, 80.2850, -17.7870



100.6750, -69.9100, -54.6300



114.7720, -122.0050, 2.9470



# Rectangle

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



103.5050, 79.5320, 89.5160



106.8810, 114.4780, 39.8700



100.6750, -69.9100, -54.6300



115.9850, -110.2640, -17.1120

# Sweetspot

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



103.5050, 79.5320, 89.5160



211.9890, 26.0370, 29.2450



68.0870, -27.7990, 79.8250



102.4510, 15.4480, 17.4000



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.



103.5050, 79.5320, 89.5160



96.0810, 96.1260, 108.1740



91.5350, 113.2370, 56.8610



110.2010, 3.9880, 4.8200



68.2550, 68.0720, 76.9360



20.3640, 20.3070, 22.9550



# Inverse Universe

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



103.5050, 79.5320, 89.5160



96.0810, 96.1260, 108.1740



167.4650, -113.2370, -56.8610



110.2010, 3.9880, 4.8200



68.2550, 68.0720, 76.9360

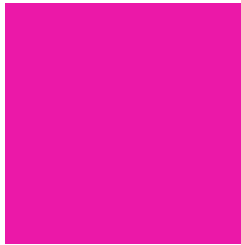


20.3640, 20.3070, 22.9550



# Previews

## White Background



This preview shows how the YIQ color 103.5050, 79.5320, 89.5160 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

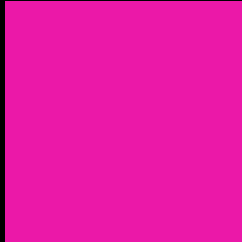
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YIQ color 103.5050, 79.5320, 89.5160 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

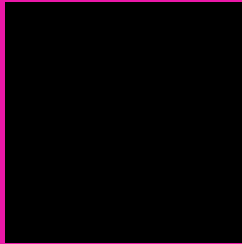
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**YIQ 103.5050, 79.5320, 89.5160**

## **Background**



This preview shows how black text looks on a background with the YIQ color 103.5050, 79.5320, 89.5160.



This preview shows how white text looks on a background with the YIQ color 103.5050, 79.5320,



# 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

103.5050, 79.5320, 89.5160

### Protanopia

120.6220, -68.1360, 23.3840

### Deuteranopia

128.6480, -10.2720, 9.9520



## Tritanopia

116.8830, 93.8010, 34.6410

# Trichromacy



**Original Color**  
103.5050, 79.5320, 89.5160



**Protanomaly**  
114.5800, -14.4510, 47.1570



**Deuteranomaly**  
119.3450, 22.4590, 39.0270



**Tritanomaly**  
112.3780, 88.7540, 54.5300

# Monochromacy



**Original Color**  
103.5050, 79.5320, 89.5160



**Achromatopsia**  
104.0000, -0.0000, -0.0000



**Achromatomaly**  
103.9510, 29.2000, 32.4960

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 103.5050, 79.5320, 89.5160 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(235, 24, 168)` looks like.

```
.text, #text, p{  
    color:rgb(235, 24, 168)  
}
```

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(235, 24, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 24, 168) }
```

## Border

The CSS property to change the border of an element to YIQ 103.5050, 79.5320, 89.5160 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(235, 24, 168) }
```



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

```
.border{ border-color:rgb(235, 24, 168) }
```

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

Here you see how a box with a 4 pixel rgb(235, 24, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 24, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 24, 168);  
box-shadow:4px 4px 4px 4px rgb(235, 24,  
168) }
```

# Background

The CSS property to change the background color of an element to YIQ 103.5050, 79.5320, 89.5160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 24, 168) }
```

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

```
.background{ background-color: rgb(235, 24,  
168) }
```

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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