

# Converting Colors

YIQ(107.1030, 89.8920,  
100.0040)

Have a look what the booklet for  
YIQ(107.1030, 89.8920, 100.0040)  
contains.

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# **Color**

**YIQ(107.1030, 89.8920,  
100.0040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF12B2
RGB	255, 18, 178
RGB Percent	100%, 7%, 70%
CMY	0.0000, 0.9296, 0.3017
CMYK	0.00, 0.93, 0.30, 0.00
HSL	319°, 100%, 54%
HSV	319°, 93%, 100%
XYZ	49.4965, 24.9061, 44.3493
YIQ	107.1030, 89.8920, 100.0040

# Conversions

## Conversions Part 2

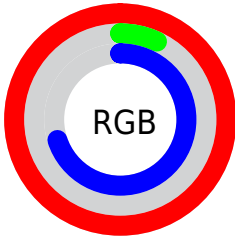
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 18, 178
Decimal	16716466
CIE Lab	56.98, 87.68, -22.42
CIE LCh	57, 90.503, 345.657
Yxy	24.9061, 0.4168, 0.2097
Android (android.graphics.Color)	4294906546 (0xFFFF12B2)
YUV	107.1030, 34.9522, 129.7057
Hunter-Lab	49.9061, 89.6997, -17.7542

# Details

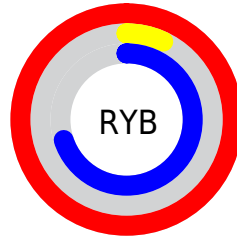
The YIQ color **107.1030, 89.8920, 100.0040** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **165.8970, -89.8920, -100.0040**, and the grayscale version is **107.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **164.5560, 47.9910, 71.9190**, and **71.9570, 74.9030, 79.7910** is the 20% darker color. If you saturate the color by 10%, you get **95.8530, 96.7680, 107.5520**, and if you desaturate by 10%, it is **122.6900, 80.4490, 89.4170**.

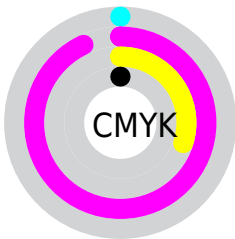
# Distribution



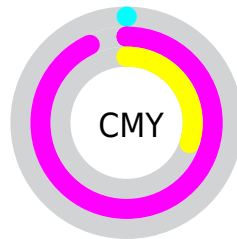
- Red (100%)
- Green (7%)
- Blue (70%)



- Red (100%)
- Yellow (7%)
- Blue (70%)



- Cyan (0%)
- Magenta (93%)
- Yellow (30%)
- Black (0%)




- Cyan (0%)
- Magenta (93%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 107.1030, 89.8920, 100.0040 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 107.1030, 89.8920, 100.0040 by changing the saturation by 10% instead.





 107.1030, 89.8920,  
100.0040

 107.1030, 89.8920,  
100.0040


255.0000, -0.0000,  
-0.0000


 84.1900, 85.0330,  
94.4490


 164.5560, 47.9910,  
71.9190


 71.9570, 74.9030,  
79.7910


 185.7340, 32.4500,  
61.7140

 59.8380, 64.4520,  
65.4440


 203.9310, 23.9250,  
45.5010

 48.1320, 54.2760,  
51.6200

 222.1280, 15.4000,  
29.2880

 36.5400, 43.7790,  
38.1070

 240.3250, 6.8750,  
13.0750

 25.4750, 33.2360,  
25.4280

 13.2700, 25.9030,

9.6390

■ 0.0000, 0.0000,  
0.0000

■ 107.1030, 89.8920,  
100.0040

■ 107.1030, 89.8920,  
100.0040

■ 95.8530, 96.7680,  
107.5520

■ 122.6900, 80.4490,  
89.4170

■ 138.9780, 70.4100,  
78.6180

■ 154.5650, 60.9670,  
68.0310

■ 170.7390, 51.2490,  
56.9210

■ 186.3260, 41.8060,  
46.3340

202.6140, 31.7670,  
35.5350

218.2010, 22.3240,  
24.9480

234.3750, 12.6060,  
13.8380

250.0760, 2.8420,  
3.5620

# Harmonies

## Analogous

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



137.4280, 7.3690, 70.2250



107.1030, 89.8920, 100.0040



87.6450, 119.8800, 85.1600

# Triad

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



107.1030, 89.8920, 100.0040



123.9740, 36.1380, -49.2220



127.0020, -126.1290, -10.4250

# Complementary

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



107.1030, 89.8920, 100.0040



165.8970, -89.8920, -100.0040

# 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.



119.9680, -103.5670, -33.8630



107.1030, 89.8920, 100.0040



93.9200, -44.0000, -83.6800

# Square

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



107.1030, 89.8920, 100.0040



128.7560, 84.6870, -20.4730



108.8590, -76.4200, -57.7960



121.2290, -125.0300, -2.8060



# Rectangle

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



107.1030, 89.8920, 100.0040



114.0020, 121.4470, 40.2230



108.8590, -76.4200, -57.7960



125.1950, -119.6630, -17.4790

# Sweetspot

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



107.1030, 89.8920, 100.0040



210.7010, 26.9080, 29.9800



67.4430, -31.3770, 89.6070



100.4620, 16.9150, 18.3470



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.



107.1030, 89.8920, 100.0040



95.8530, 96.7680, 107.5520



93.7650, 127.4490, 63.6170



119.7990, 5.1800, 5.2440



71.8150, 72.4270, 80.6110



24.0380, 24.3410, 26.9410



# Inverse Universe

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



107.1030, 89.8920, 100.0040



95.8530, 96.7680, 107.5520



179.2350, -127.4490, -63.6170



119.7990, 5.1800, 5.2440



71.8150, 72.4270, 80.6110



24.0380, 24.3410, 26.9410



# Previews

## White Background



This preview shows how the YIQ color 107.1030, 89.8920, 100.0040 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

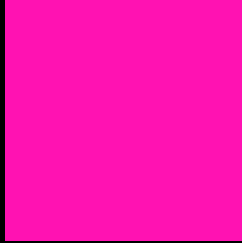
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 107.1030, 89.8920, 100.0040 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 107.1030, 89.8920, 100.0040

## Background



This preview shows how black text looks on a background with the YIQ color 107.1030, 89.8920, 100.0040.



This preview shows how white text looks on a background with the YIQ color 107.1030, 89.8920,

100.0040.

# 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

107.1030, 89.8920, 100.0040

### Protanopia

130.7080, -71.2540, 24.8260

### Deuteranopia

138.2460, -9.0800, 10.3760



## Tritanopia

124.9660, 103.9330, 38.2450

# Trichromacy



## Original Color

107.1030, 89.8920, 100.0040



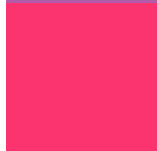
## Protanomaly

122.1120, -12.8930, 51.9630



## Deuteranomaly

126.9050, 26.8140, 42.7020



## Tritanomaly

118.3410, 99.3440, 60.8480

# Monochromacy



## Original Color

107.1030, 89.8920, 100.0040



## Achromatopsia

107.0000, -0.0000, 0.0000



## Achromatomaly

107.3260, 32.6380, 36.2700

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 107.1030, 89.8920, 100.0040 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(255, 18, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 18, 178)  
}
```

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(255, 18, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 18, 178) }
```

## Border

The CSS property to change the border of an element to YIQ 107.1030, 89.8920, 100.0040 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(255, 18, 178) }
```



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

```
.border{ border-color:rgb(255, 18, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 18, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 18, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 18, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 18,  
178) }
```

# Background

The CSS property to change the background color of an element to YIQ 107.1030, 89.8920, 100.0040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 18, 178) }
```

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

```
.background{ background-color: rgb(255, 18,  
178) }
```

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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