

# Converting Colors

YIQ(124.7760, 77.3310, 90.8590)

Have a look what the booklet for  
YIQ(124.7760, 77.3310, 90.8590)  
contains.

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# Color

**YIQ(124.7760, 77.3310,  
90.8590)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF2DC2
RGB	255, 45, 194
RGB Percent	100%, 18%, 76%
CMY	0.0000, 0.8238, 0.2390
CMYK	0.00, 0.82, 0.24, 0.00
HSL	317°, 100%, 59%
HSV	317°, 82%, 100%
XYZ	51.9181, 27.0273, 53.5481
YIQ	124.7760, 77.3310, 90.8590

# Conversions

## Conversions Part 2

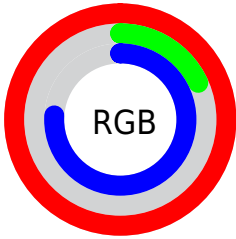
Format	Color
R <sub>Y</sub> B	255, 45, 194
Decimal	16723394
CIE <sub>Lab</sub>	59.00, 85.45, -28.56
CIE <sub>LCh</sub>	59, 90.096, 341.520
Yxy	27.0273, 0.3919, 0.2040
Android (android.graphics.Color)	4294913474 (0xFFFF2DC2)
YUV	124.7760, 34.1274, 114.2064
Hunter-Lab	51.9878, 87.2822, -24.6780

# Details

The YIQ color **124.7760, 77.3310, 90.8590** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **175.2240, -77.3310, -90.8590**, and the grayscale version is **124.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **173.5380, 39.2340, 70.9300**, and **73.6670, 70.0880, 84.4560** is the 20% darker color. If you saturate the color by 10%, you get **108.7160, 86.7280, 102.2800**, and if you desaturate by 10%, it is **140.2490, 68.2090, 79.9610**.

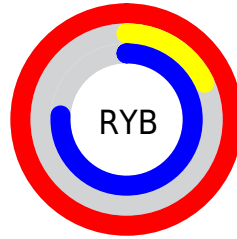
# Distribution



Red (100%)

Green (18%)

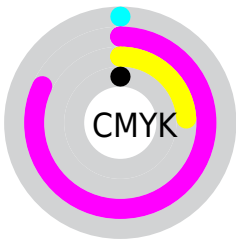
Blue (76%)



Red (100%)

Yellow (18%)

Blue (76%)

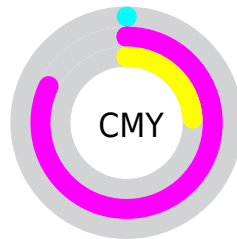


Cyan (0%)

Magenta (82%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (82%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 124.7760, 77.3310, 90.8590 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 124.7760, 77.3310, 90.8590 by changing the saturation by 10% instead.



124.7760, 77.3310,  
90.8590

124.7760, 77.3310,  
90.8590

255.0000, -0.0000,  
-0.0000

86.0140, 79.8970,  
99.4250

173.5380, 39.2340,  
70.9300

73.6670, 70.0880,  
84.4560

192.1910, 29.4250,  
55.9610

61.7330, 60.5540,  
70.0100

209.8010, 21.1750,  
40.2710

50.0270, 50.3780,  
56.1860

227.9980, 12.6500,  
24.0580

38.6200, 40.7980,  
42.5740

246.1950, 4.1250,  
7.8450

27.6260, 31.4930,  
29.4850

16.1480, 20.6750,

16.2830

■ 0.0000, 0.0000,  
0.0000

■ 124.7760, 77.3310,  
90.8590

■ 124.7760, 77.3310,  
90.8590

■ 108.7160, 86.7280,  
102.2800

■ 140.2490, 68.2090,  
79.9610

■ 96.8790, 93.8790,  
110.3510

■ 156.4230, 58.4910,  
68.8510

■ 171.8960, 49.3690,  
57.9530

■ 188.0700, 39.6510,  
46.8430

■ 203.5430, 30.5290,  
35.9450

219.6030, 21.1320,  
24.5240

235.1900, 11.6890,  
13.9370

251.2500, 2.2920,  
2.5160

255.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



143.0520, -3.4960, 63.3840



124.7760, 77.3310, 90.8590



91.7030, 113.9650, 87.7330

# Triad

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



124.7760, 77.3310, 90.8590



129.9320, 45.1240, -46.8760



130.1820, -126.8160, -14.4960

# Complementary

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



124.7760, 77.3310, 90.8590



175.2240, -77.3310, -90.8590

# 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.



122.3330, -103.3370, -38.0330



124.7760, 77.3310, 90.8590



107.6300, -22.4520, -77.7160

# Square

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



124.7760, 77.3310, 90.8590



133.5290, 92.7560, -18.0280



110.9960, -75.5480, -62.5880



125.9250, -127.2300, -6.9900



# Rectangle

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



124.7760, 77.3310, 90.8590



115.8260, 116.3110, 45.1990



110.9960, -75.5480, -62.5880



128.1470, -119.7080, -22.1720

# Sweetspot

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



124.7760, 77.3310, 90.8590



215.3800, 23.3780, 27.8740



86.5810, -32.2460, 77.8180



103.7390, 14.5770, 16.6650



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.



124.7760, 77.3310, 90.8590



98.7540, 92.7330, 109.0930



112.9200, 110.7150, 58.5150



119.9130, 4.8590, 5.5550



72.6130, 70.1800, 82.7880



24.2660, 23.6990, 27.5630



# Inverse Universe

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



124.7760, 77.3310, 90.8590



98.7540, 92.7330, 109.0930



186.9660, -110.3940, -58.8260



119.9130, 4.8590, 5.5550



72.6130, 70.1800, 82.7880

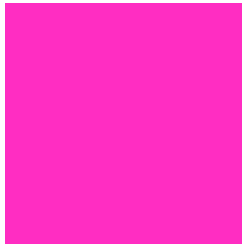


24.2660, 23.6990, 27.5630



# Previews

## White Background



This preview shows how the YIQ color 124.7760, 77.3310, 90.8590 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

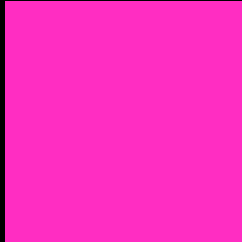
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 124.7760, 77.3310, 90.8590 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

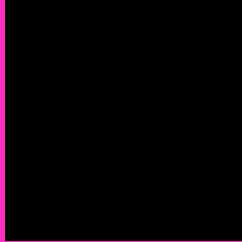
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 124.7760, 77.3310, 90.8590

## Background



This preview shows how black text looks on a background with the YIQ color 124.7760, 77.3310, 90.8590.



This preview shows how white text looks on a background with the YIQ color 124.7760, 77.3310,



# 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

124.7760, 77.3310, 90.8590

### Protanopia

136.3770, -68.8240, 24.8400

### Deuteranopia

143.2930, -16.4620, 12.0020



## Tritanopia

134.0080, 94.9470, 35.8990

# Trichromacy



## Original Color

124.7760, 77.3310, 90.8590



## Protanomaly

132.1500, -16.0560, 48.7120



## Deuteranomaly

136.3600, 18.1030, 40.8790



## Tritanomaly

130.4320, 88.6620, 56.1980

# Monochromacy



## Original Color

124.7760, 77.3310, 90.8590



## Achromatopsia

125.0000, 0.0000, 0.0000



## Achromatomaly

124.8800, 27.9620, 32.9060

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 124.7760, 77.3310, 90.8590 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, 45, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 45, 194)  
}
```

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, 45, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 45, 194) }
```

## Border

The CSS property to change the border of an element to YIQ 124.7760, 77.3310, 90.8590 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, 45, 194) }
```



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

```
.border{ border-color:rgb(255, 45, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 45, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 45, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 45, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 45,  
194) }
```

# Background

The CSS property to change the background color of an element to YIQ 124.7760, 77.3310, 90.8590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 45, 194) }
```

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

```
.background{ background-color: rgb(255, 45,  
194) }
```

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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