

# Converting Colors

YIQ(107.7760, 41.8000, 79.4960)

Have a look what the booklet for  
YIQ(107.7760, 41.8000, 79.4960)  
contains.

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# Color

**YIQ(107.7760, 41.8000,  
79.4960)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C52DC5
RGB	197, 45, 197
RGB Percent	77%, 18%, 77%
CMY	0.2270, 0.8237, 0.2274
CMYK	0.00, 0.77, 0.00, 0.23
HSL	300°, 63%, 47%
HSV	300°, 77%, 77%
XYZ	34.0719, 17.7897, 54.4687
YIQ	107.7760, 41.8000, 79.4960

# Conversions

## Conversions Part 2

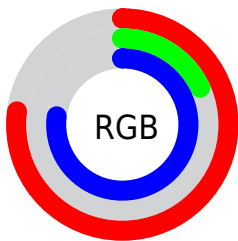
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 45, 197
Decimal	12922309
CIELab	49.24, 73.98, -46.28
CIELCh	49, 87.264, 327.968
Yxy	17.7897, 0.3204, 0.1673
Android (android.graphics.Color)	4291112389 (0xFFC52DC5)
YUV	107.7760, 43.9874, 78.2494
Hunter-Lab	42.1779, 70.3834, -47.0428

# Details

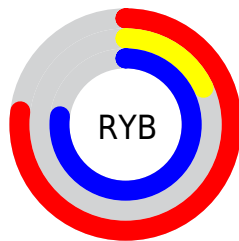
The YIQ color **107.7760, 41.8000, 79.4960** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted magenta. A complement of this color would be **134.2240, -41.8000, -79.4960**, and the grayscale version is **107.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **169.1840, 40.4710, 76.0470**, and **57.7490, 37.2620, 73.6300** is the 20% darker color. If you saturate the color by 10%, you get **96.0360, 47.3000, 89.9560**, and if you desaturate by 10%, it is **119.5160, 36.3000, 69.0360**.

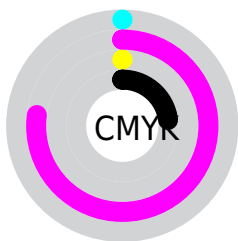
# Distribution



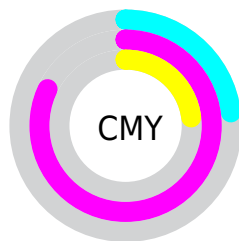
- Red (77%)
- Green (18%)
- Blue (77%)



- Red (77%)
- Yellow (18%)
- Blue (77%)



- Cyan (0%)
- Magenta (77%)
- Yellow (0%)
- Black (23%)



- Cyan (23%)
- Magenta (82%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 107.7760, 41.8000, 79.4960 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 107.7760, 41.8000, 79.4960 by changing the saturation by 10% instead.



107.7760, 41.8000,  
79.4960

107.7760, 41.8000,  
79.4960

255.0000, -0.0000,  
-0.0000

69.4980, 45.8790,  
88.1750

169.1840, 40.4710,  
76.0470

57.7490, 37.2620,  
73.6300

186.3210, 32.1750,  
61.1910

46.4130, 28.9200,  
59.6080

203.3440, 24.2000,  
46.0240

35.1910, 20.2570,  
45.8970

220.3670, 16.2250,  
30.8570

24.6810, 12.4650,  
32.9210

237.9770, 7.9750,  
15.1670

12.7900, 1.3720,  
19.1960

2.9810, -7.0160,

6.0080

■ 0.0000, 0.0000,  
0.0000

■ 107.7760, 41.8000,  
79.4960

■ 107.7760, 41.8000,  
79.4960

■ 96.0360, 47.3000,  
89.9560

■ 119.5160, 36.3000,  
69.0360

■ 84.8830, 52.5250,  
99.8930

■ 130.6690, 31.0750,  
59.0990

■ 81.3610, 54.1750,  
103.0310

■ 142.4090, 25.5750,  
48.6390

■ 154.1490, 20.0750,  
38.1790

■ 165.8890, 14.5750,  
27.7190

■ 177.0420, 9.3500,  
17.7820

■ 188.7820, 3.8500,  
7.3220

■ 200.5220, -1.6500,  
-3.1380

■ 211.6750, -6.8750,  
-13.0750

# Harmonies

## Analogous

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



111.7290, -57.4110, 43.7810



107.7760, 41.8000, 79.4960



85.5260, 101.4020, 89.6420

# Triad

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



107.7760, 41.8000, 79.4960



110.2840, 56.5370, -27.9350



107.3790, -99.8100, -19.3460

# Complementary

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



107.7760, 41.8000, 79.4960



134.2240, -41.8000, -79.4960

# 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.



98.2420, -75.4600, -42.1480



107.7760, 41.8000, 79.4960



99.0120, 6.6120, -53.7720

# Square

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



107.7760, 41.8000, 79.4960



106.1840, 98.9420, 2.0300



86.0900, -46.7540, -66.8020



111.7570, -117.6490, 1.0950



# Rectangle

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



107.7760, 41.8000, 79.4960



80.5380, 118.3230, 74.8270



86.0900, -46.7540, -66.8020



104.6430, -92.1060, -26.8100

# Sweetspot

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



107.7760, 41.8000, 79.4960



220.3670, 16.2250, 30.8570



62.3280, -48.7920, 47.2720



106.7540, 10.2210, 18.5170



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.



107.7760, 41.8000, 79.4960



115.8810, 65.1750, 123.9510



99.1120, 66.1960, 55.8600



93.7170, 2.4750, 4.7070



67.3190, 44.8250, 85.2490



14.8680, 9.9000, 18.8280



# Inverse Universe

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



107.7760, 41.8000, 79.4960



115.8810, 65.1750, 123.9510



142.8880, -66.1960, -55.8600



93.7170, 2.4750, 4.7070



67.3190, 44.8250, 85.2490

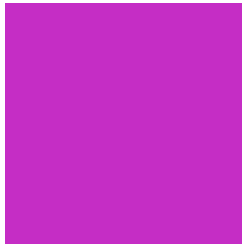


14.8680, 9.9000, 18.8280



# Previews

## White Background



This preview shows how the YIQ color 107.7760, 41.8000, 79.4960 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

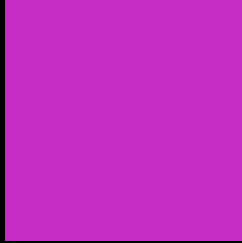
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 107.7760, 41.8000, 79.4960 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

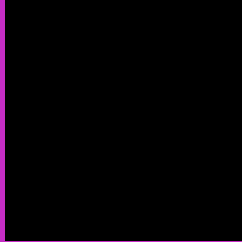
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 107.7760, 41.8000, 79.4960

## Background



This preview shows how black text looks on a background with the YIQ color 107.7760, 41.8000, 79.4960.



This preview shows how white text looks on a background with the YIQ color 107.7760, 41.8000,



# 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

107.7760, 41.8000, 79.4960

### Protanopia

93.8050, -108.4360, 15.8520

### Deuteranopia

114.0910, -45.0720, 12.8800



## Tritanopia

116.2850, 57.0780, 22.8540

# Trichromacy



## Original Color

107.7760, 41.8000, 79.4960



## Protanomaly

98.8340, -53.5130, 39.2150



## Deuteranomaly

111.5550, -13.3030, 37.3610



## Tritanomaly

113.0080, 51.3890, 43.3650

# Monochromacy



## Original Color

107.7760, 41.8000, 79.4960



## Achromatopsia

108.0000, -0.0000, 0.0000



## Achromatomaly

107.7150, 15.1250, 28.7650

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 107.7760, 41.8000, 79.4960 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(197, 45, 197)` looks like.

```
.text, #text, p{  
    color:rgb(197, 45, 197)  
}
```

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(197, 45, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 45, 197) }
```

## Border

The CSS property to change the border of an element to YIQ 107.7760, 41.8000, 79.4960 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(197, 45, 197) }
```



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

```
.border{ border-color:rgb(197, 45, 197) }
```

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

Here you see how a box with a 4 pixel rgb(197, 45, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 45, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 45, 197);  
box-shadow:4px 4px 4px 4px rgb(197, 45,  
197) }
```

# Background

The CSS property to change the background color of an element to YIQ 107.7760, 41.8000, 79.4960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 45, 197) }
```

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

```
.background{ background-color: rgb(197, 45,  
197) }
```

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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