

# Converting Colors

YIQ(79.6000, 77.9400, 19.2200)

Have a look what the booklet for  
YIQ(79.6000, 77.9400, 19.2200)  
contains.

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# Color

**YIQ(79.6000, 77.9400,  
19.2200)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A62E1A
RGB	166, 46, 26
RGB Percent	65%, 18%, 10%
CMY	0.3487, 0.8198, 0.8977
CMYK	0.00, 0.72, 0.84, 0.35
HSL	9°, 73%, 38%
HSV	9°, 84%, 65%
XYZ	16.9029, 10.1395, 2.0484
YIQ	79.6000, 77.9400, 19.2200

# Conversions

## Conversions Part 2

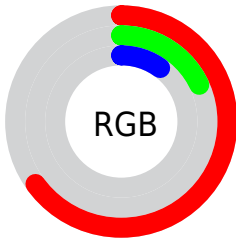
Format	Color
R <sub>Y</sub> B	166, 49, 26
Decimal	10890778
CIE Lab	38.09, 48.02, 40.07
CIE LCh	38, 62.543, 39.842
Yxy	10.1395, 0.5810, 0.3485
Android (android.graphics.Color)	4289080858 (0xFFA62E1A)
YUV	79.6000, -26.4248, 75.7728
Hunter-Lab	31.8426, 39.0279, 18.4758

# Details

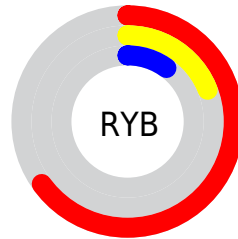
The YIQ color **79.6000, 77.9400, 19.2200** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **112.4000, -77.9400, -19.2200**, and the grayscale version is **80.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **135.0800, 85.2760, 18.4280**, and **31.6940, 63.1760, 22.4720** is the 20% darker color. If you saturate the color by 10%, you get **69.4440, 87.2470, 21.2550**, and if you desaturate by 10%, it is **89.7560, 68.6330, 17.1850**.

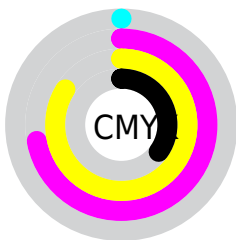
# Distribution



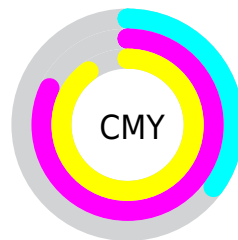
- Red (65%)
- Green (18%)
- Blue (10%)



- Red (65%)
- Yellow (19%)
- Blue (10%)



- Cyan (0%)
- Magenta (72%)
- Yellow (84%)
- Black (35%)



- Cyan (35%)
- Magenta (82%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 79.6000, 77.9400, 19.2200 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 79.6000, 77.9400, 19.2200 by changing the saturation by 10% instead.



■ 79.6000, 77.9400,  
19.2200

■ 79.6000, 77.9400,  
19.2200

255.0000, -0.0000,  
-0.0000

■ 47.9360, 77.1140,  
23.1780

■ 135.0800, 85.2760,  
18.4280

■ 31.6940, 63.1760,  
22.4720

■ 161.7380, 86.2390,  
17.4950

■ 22.7240, 45.2960,  
16.1120

■ 180.4370, 70.7890,  
11.1490

■ 15.1780, 29.1580,  
11.2220

■ 199.9510, 54.4220,  
4.9020

■ 0.0000, 0.0000,  
0.0000

■ 219.3510, 38.3760,  
-1.6560

■ 239.5660, 21.4130,

-8.1150

■ 252.1500, 8.0250,  
-7.7750

■ 79.6000, 77.9400,  
19.2200

■ 79.6000, 77.9400,  
19.2200

■ 69.4440, 87.2470,  
21.2550

■ 89.7560, 68.6330,  
17.1850

■ 63.7220, 92.3360,  
22.6400

■ 99.7980, 59.6470,  
14.8390

■ 110.5410, 50.0650,  
12.2810

■ 120.6970, 40.7580,  
10.2460

■ 130.7390, 31.7720,  
7.9000

■ 140.8950, 22.4650,  
5.8650

■ 151.5240, 13.2040,  
2.9960

■ 161.6800, 3.8970,  
0.9610

■ 171.8360, -5.4100,  
-1.0740

# Harmonies

## Analogous

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



70.2780, 77.2920, 53.0040



79.6000, 77.9400, 19.2200



84.4010, 61.3020, -9.6580

# Triad

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



79.6000, 77.9400, 19.2200



69.9110, -46.6670, -40.8350



75.1910, -86.3360, 11.8080

# Complementary

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



79.6000, 77.9400, 19.2200



112.4000, -77.9400, -19.2200

# 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.



82.8390, -88.5810, 2.9310



79.6000, 77.9400, 19.2200



77.2410, -64.5510, -25.0870

# Square

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



79.6000, 77.9400, 19.2200



70.9150, -8.9320, -47.3960



82.1260, -79.6840, -9.6360



91.3710, -6.7930, 40.5270



# Rectangle

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



79.6000, 77.9400, 19.2200



84.5460, 41.3600, -22.7040



82.1260, -79.6840, -9.6360



78.8270, -88.3070, 8.9810

# Sweetspot

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



79.6000, 77.9400, 19.2200



183.2550, 30.2590, 7.7870



81.6540, 44.5990, 67.3110



89.2150, 18.5680, 4.9040



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.6000, 77.9400, 19.2200



83.0800, 120.8070, 29.7910



120.1030, 58.9650, -16.8670



78.9790, 4.4930, 1.1730



56.5790, 82.4330, 20.3930



7.7410, 11.0950, 2.6710



# Inverse Universe

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



112.4000, -77.9400, -19.2200



133.9200, -120.8070, -29.7910



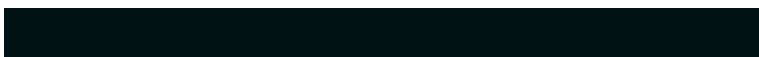
71.8970, -58.9650, 16.8670



81.0210, -4.4930, -1.1730



91.4210, -82.4330, -20.3930



12.8460, -11.3700, -3.1940



# Previews

## White Background



This preview shows how the YIQ color 79.6000, 77.9400, 19.2200 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



## 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

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

**YIQ 79.6000, 77.9400, 19.2200**

## **Background**



This preview shows how black text looks on a background with the YIQ color 79.6000, 77.9400, 19.2200.



This preview shows how white text looks on a background with the YIQ color 79.6000, 77.9400,



# 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

79.6000, 77.9400, 19.2200

### Protanopia

87.9480, 22.9730, -14.3630

### Deuteranopia

85.7790, 42.3220, -18.1100



## Tritanopia

80.8910, 72.9870, 26.3870

# Trichromacy



## Original Color

79.6000, 77.9400, 19.2200

## Protanomaly

85.2760, 42.9610, -2.1510

## Deuteranomaly

83.4530, 55.5240, -4.0600

## Tritanomaly

80.6800, 74.9590, 23.6870

# Monochromacy



## Original Color

79.6000, 77.9400, 19.2200

## Achromatopsia

80.0000, 0.0000, -0.0000

## Achromatomaly

79.9450, 28.1960, 6.6280

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 79.6000, 77.9400, 19.2200 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(166, 46, 26)` looks like.

```
.text, #text, p{  
    color:rgb(166, 46, 26)  
}
```

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(166, 46, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 46, 26) }
```

## Border

The CSS property to change the border of an element to YIQ 79.6000, 77.9400, 19.2200 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(166, 46, 26) }
```



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

```
.border{ border-color:rgb(166, 46, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 46, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 46, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 46, 26);  
box-shadow:4px 4px 4px 4px rgb(166, 46,  
26) }
```

# Background

The CSS property to change the background color of an element to YIQ 79.6000, 77.9400, 19.2200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 46, 26) }
```

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

```
.background{ background-color: rgb(166, 46,  
26) }
```

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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