

# Converting Colors

YIQ(77.9970, 12.1090, -26.7310)

Have a look what the booklet for  
YIQ(77.9970, 12.1090, -26.7310)  
contains.

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# Color

**YIQ(77.9970, 12.1090,  
-26.7310)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	495C13
RGB	73, 92, 19
RGB Percent	29%, 36%, 7%
CMY	0.7138, 0.6392, 0.9254
CMYK	0.21, 0.00, 0.79, 0.64
HSL	76°, 66%, 22%
HSV	76°, 79%, 36%
XYZ	6.6915, 9.1183, 2.0246
YIQ	77.9970, 12.1090, -26.7310

# Conversions

## Conversions Part 2

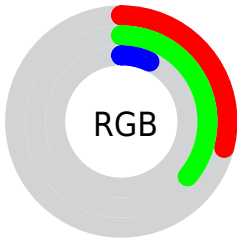
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	19, 92, 38
Decimal	4807699
CIE Lab	36.21, -18.59, 37.03
CIE LCh	36, 41.438, 116.656
Yxy	9.1183, 0.3752, 0.5113
Android (android.graphics.Color)	4282997779 (0xFF495C13)
YUV	77.9970, -29.0855, -4.3824
Hunter-Lab	30.1965, -13.2887, 17.1623

# Details

The YIQ color **77.9970, 12.1090, -26.7310** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **33.0030, -12.1090, 26.7310**, and the grayscale version is **78.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **128.1820, 13.0260, -26.8300**, and **34.4770, 2.2500, -18.7580** is the 20% darker color. If you saturate the color by 10%, you get **76.3730, 13.8060, -29.9540**, and if you desaturate by 10%, it is **79.6210, 10.4120, -23.5080**.

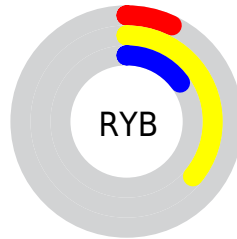
# Distribution



Red (29%)

Green (36%)

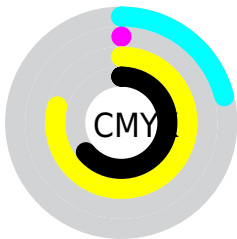
Blue (7%)



Red (7%)

Yellow (36%)

Blue (15%)

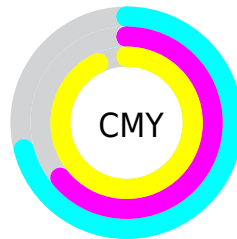


Cyan (21%)

Magenta (0%)

Yellow (79%)

Black (64%)



Cyan (71%)

Magenta (64%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 77.9970, 12.1090, -26.7310 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 77.9970, 12.1090, -26.7310 by changing the saturation by 10% instead.



■ 77.9970, 12.1090,  
-26.7310

■ 77.9970, 12.1090,  
-26.7310

■ 255.0000, -0.0000,  
-0.0000

■ 54.5670, 10.5040,  
-25.1760

■ 128.1820, 13.0260,  
-26.8300

■ 34.4770, 2.2500,  
-18.7580

■ 154.9540, 13.6680,  
-27.4520

■ 15.8490, -7.4250,  
-14.1210

■ 181.7260, 14.3100,  
-28.0740

■ 0.0000, 0.0000,  
0.0000

■ 209.4980, 14.9520,  
-28.6960

■ 238.2700, 15.5940,  
-29.3180

■ 248.6160, 17.9760,

-17.4160

■ 251.8080, 8.9880,  
-8.7080

■ 77.9970, 12.1090,  
-26.7310

■ 77.9970, 12.1090,  
-26.7310

■ 76.3730, 13.8060,  
-29.9540

■ 79.6210, 10.4120,  
-23.5080

■ 74.4500, 14.9070,  
-33.3890

■ 81.5440, 9.3110,  
-20.0730

■ 74.3360, 15.2280,  
-33.7000

■ 83.2820, 7.2930,  
-16.5390

■ 85.2050, 6.1920,  
-13.1040

■ 86.8290, 4.4950,  
-9.8810

■ 88.4530, 2.7980,  
-6.6580

■ 90.3760, 1.6970,  
-3.2230

■ 92.1140, -0.3210,  
0.3110

■ 94.0370, -1.4220,  
3.7460

# Harmonies

## Analogous

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



80.6690, 36.8200, -17.5160



77.9970, 12.1090, -26.7310



70.0600, -27.7330, -31.5490

# Triad

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



77.9970, 12.1090, -26.7310



73.4860, -71.8900, -7.7140



83.8290, 41.1670, 30.3750

# Complementary

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



77.9970, 12.1090, -26.7310



33.0030, -12.1090, 26.7310

# 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.



87.3670, 16.2250, 30.8570



77.9970, 12.1090, -26.7310



70.1580, -73.5420, 0.2020

# Square

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



77.9970, 12.1090, -26.7310



72.2830, -64.3690, -17.3690



85.6380, -21.5070, 20.8370



83.0130, 51.8520, 18.4440



# Rectangle

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



77.9970, 12.1090, -26.7310



66.5660, -49.6490, -30.8410



85.6380, -21.5070, 20.8370



85.6480, 34.4270, 31.3790

# Sweetspot

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



77.9970, 12.1090, -26.7310



114.3020, 4.5410, -10.7150



51.3930, 38.5580, 6.0620



57.7520, 3.3940, -6.4460



189.0000, -0.0000, -0.0000



61.0000, 0.0000, -0.0000



# Same Dimension

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



77.9970, 12.1090, -26.7310



98.0340, 18.7140, -41.8140



67.2330, -9.3470, -34.3630



45.1310, 1.0090, -1.7670



88.7890, 18.0260, -40.3580



191.4440, 39.1250, -86.8510



# Inverse Universe

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



33.0030, -12.1090, 26.7310



27.9660, -18.7140, 41.8140



43.7670, 9.3470, 34.3630



42.1680, -0.4130, 1.9790



21.2110, -18.0260, 40.3580



45.5560, -39.1250, 86.8510



# Previews

## White Background



This preview shows how the YIQ color 77.9970, 12.1090, -26.7310 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 ✓ Pass



# Black Background



This preview shows how the YIQ color 77.9970, 12.1090, -26.7310 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

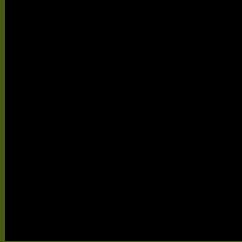
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 77.9970, 12.1090, -26.7310

## Background



This preview shows how black text looks on a background with the YIQ color 77.9970, 12.1090, -26.7310.



This preview shows how white text looks on a background with the YIQ color 77.9970, 12.1090, -26.7310.

-26.7310.

# 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

77.9970, 12.1090, -26.7310

### Protanopia

80.5370, 28.3840, -18.8160

### Deuteranopia

82.3900, 33.4720, -11.9040



## Tritanopia

85.1890, -4.9060, 0.8060

# Trichromacy



## Original Color

77.9970, 12.1090, -26.7310

## Protanomaly

80.0200, 22.4700, -21.7700

## Deuteranomaly

80.9220, 25.8620, -17.1620

## Tritanomaly

82.3880, 1.4230, -9.2730

# Monochromacy



## Original Color

77.9970, 12.1090, -26.7310

## Achromatopsia

78.0000, -0.0000, -0.0000

## Achromatomaly

77.9430, 4.1740, -9.5700

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 77.9970, 12.1090, -26.7310 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(73, 92, 19)` looks like.

```
.text, #text, p{  
    color:rgb(73, 92, 19)  
}
```

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(73, 92, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 92, 19) }
```

## Border

The CSS property to change the border of an element to YIQ 77.9970, 12.1090, -26.7310 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(73, 92, 19) }
```



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

```
.border{ border-color:rgb(73, 92, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 92, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 92, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 92, 19);  
box-shadow:4px 4px 4px 4px rgb(73, 92, 19)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 77.9970, 12.1090, -26.7310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 92, 19) }
```

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

```
.background{ background-color: rgb(73, 92,  
19) }
```

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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