

# Converting Colors

YIQ(37.9290, -26.4600, 28.0040)

Have a look what the booklet for  
YIQ(37.9290, -26.4600, 28.0040)  
contains.

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# Color

**YIQ(37.9290, -26.4600,  
28.0040)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1E1B73
RGB	30, 27, 115
RGB Percent	12%, 11%, 45%
CMY	0.8823, 0.8941, 0.5492
CMYK	0.74, 0.77, 0.00, 0.55
HSL	242°, 62%, 28%
HSV	242°, 77%, 45%
XYZ	4.0198, 2.2969, 16.4378
YIQ	37.9290, -26.4600, 28.0040

# Conversions

## Conversions Part 2

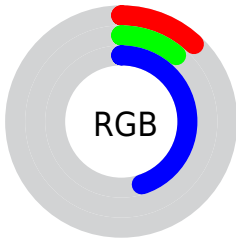
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	30, 27, 115
Decimal	1973107
CIE <sub>Lab</sub>	16.97, 32.07, -49.64
CIE <sub>LCh</sub>	17, 59.103, 302.867
Yxy	2.2969, 0.1767, 0.1009
Android (android.graphics.Color)	4280163187 (0xFF1E1B73)
YUV	37.9290, 37.9960, -6.9537
Hunter-Lab	15.1554, 20.8227, -53.6981

# Details

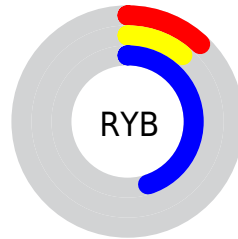
The YIQ color **37.9290, -26.4600, 28.0040** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **104.0710, 26.4600, -28.0040**, and the grayscale version is **38.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **87.7280, -21.2800, 33.2480**, and **7.5240, -21.1860, 20.5260** is the 20% darker color. If you saturate the color by 10%, you get **28.1830, -29.9910, 31.4250**, and if you desaturate by 10%, it is **47.6750, -22.9290, 24.5830**.

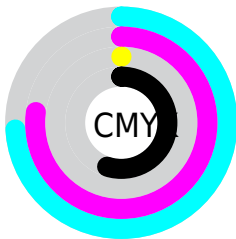
# Distribution



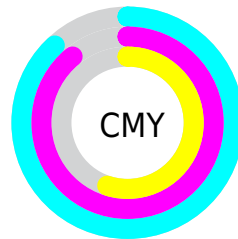
- Red (12%)
- Green (11%)
- Blue (45%)



- Red (12%)
- Yellow (11%)
- Blue (45%)



- Cyan (74%)
- Magenta (77%)
- Yellow (0%)
- Black (55%)



- Cyan (88%)
- Magenta (89%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 37.9290, -26.4600, 28.0040 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 37.9290, -26.4600, 28.0040 by changing the saturation by 10% instead.



■ 37.9290, -26.4600,  
28.0040

■ 37.9290, -26.4600,  
28.0040

■ 255.0000, -0.0000,  
-0.0000

■ 13.7820, -30.5400,  
24.8520

■ 87.7280, -21.2800,  
33.2480

■ 7.5240, -21.1860,  
20.5260

■ 113.3800,  
-20.1800, 35.3400

■ 6.5490, -14.3070,  
11.4930

■ 139.6190,  
-19.3550, 36.9090

■ 2.9810, -7.0160,  
6.0080

■ 166.5590,  
-19.1260, 38.2660

■ 0.0000, 0.0000,  
0.0000

■ 191.0080,  
-10.5050, 30.7030

■ 215.5280, -0.6460,

22.7300

239.7380, 7.1500,  
13.5980

37.9290, -26.4600,  
28.0040

37.9290, -26.4600,  
28.0040

28.1830, -29.9910,  
31.4250

47.6750, -22.9290,  
24.5830

17.8500, -33.2470,  
35.3690

58.0080, -19.6730,  
20.6390

14.3060, -34.5310,  
36.6130

67.7540, -16.1420,  
17.2180

78.0870, -12.8860,  
13.2740

88.1320, -8.7590,  
10.0650

■ 98.4650, -5.5030,  
6.1210

■ 108.2110, -1.9720,  
2.7000

■ 118.5440, 1.2840,  
-1.2440

■ 128.2900, 4.8150,  
-4.6650

# Harmonies

## Analogous

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



42.8820, -54.6090, 15.0150



37.9290, -26.4600, 28.0040



36.7420, 28.8310, 44.6950

# Triad

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



37.9290, -26.4600, 28.0040



36.8450, 43.0970, 6.4010



38.5890, -30.1200, -15.8160

# Complementary

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



37.9290, -26.4600, 28.0040



104.0710, 26.4600, -28.0040

# 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.



32.2850, -15.1250, -28.7650



37.9290, -26.4600, 28.0040



39.3050, 17.6540, -11.5780

# Square

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



37.9290, -26.4600, 28.0040



31.0960, 61.9840, 22.0480



29.9370, -14.0250, -26.6730



43.4910, -43.9230, -2.4430



# Rectangle

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



37.9290, -26.4600, 28.0040



38.1490, 46.4380, 39.4780



29.9370, -14.0250, -26.6730



36.8790, -25.3050, -20.4810

# Sweetspot

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



37.9290, -26.4600, 28.0040



120.1750, -10.3180, 10.7860



86.9270, -51.6230, -17.0870



57.8070, -6.4660, 7.0540



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000



# Same Dimension

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



37.9290, -26.4600, 28.0040



29.2270, -41.3180, 43.9780



51.0850, -0.2360, 37.3320



53.6840, -1.9260, 1.8660



15.1040, -36.7780, 38.7900



31.1910, -74.8860, 79.6580



# Inverse Universe

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



63.0020, 25.1630, 45.0910



68.5380, 39.2340, 70.9300



90.9150, 0.2360, -37.3320



55.3640, 1.9710, 2.8270



49.9300, 34.8340, 62.5620

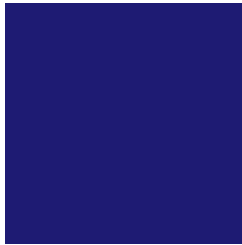


102.2240, 71.6390, 127.9510



# Previews

## White Background



This preview shows how the YIQ color 37.9290, -26.4600, 28.0040 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 37.9290, -26.4600, 28.0040 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

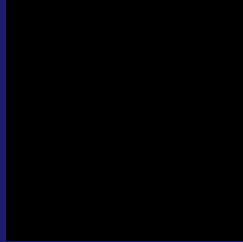
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 37.9290, -26.4600, 28.0040

## Background



This preview shows how black text looks on a background with the YIQ color 37.9290, -26.4600, 28.0040.



This preview shows how white text looks on a background with the YIQ color 37.9290, -26.4600,



# 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

37.9290, -26.4600, 28.0040

### Protanopia

33.9850, -39.2020, 5.6140

### Deuteranopia

34.2640, -35.8540, 0.0020



## Tritanopia

33.2890, -28.9750, -9.0310

# Trichromacy



## Original Color

37.9290, -26.4600, 28.0040

## Protanomaly

35.4790, -34.4810, 13.6710

## Deuteranomaly

35.7410, -32.4630, 10.1370

## Tritanomaly

35.2050, -28.1980, 4.4260

# Monochromacy



## Original Color

37.9290, -26.4600, 28.0040

## Achromatopsia

38.0000, -0.0000, -0.0000

## Achromatomaly

37.9470, -9.6760, 10.1640

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 37.9290, -26.4600, 28.0040 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(30, 27, 115)` looks like.

```
.text, #text, p{  
    color:rgb(30, 27, 115)  
}
```

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(30, 27, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 27, 115) }
```

## Border

The CSS property to change the border of an element to YIQ 37.9290, -26.4600, 28.0040 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(30, 27, 115) }
```



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

```
.border{ border-color:rgb(30, 27, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 27, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 27, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 27, 115);  
box-shadow:4px 4px 4px 4px rgb(30, 27,  
115) }
```

# Background

The CSS property to change the background color of an element to YIQ 37.9290, -26.4600, 28.0040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 27, 115) }
```

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

```
.background{ background-color: rgb(30, 27,  
115) }
```

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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