

# Converting Colors

YIQ(77.4470, 119.8370, 69.4130)

Have a look what the booklet for  
YIQ(77.4470, 119.8370, 69.4130)  
contains.

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# Color

**YIQ(77.4470, 119.8370,  
69.4130)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB003F
RGB	235, 0, 63
RGB Percent	92%, 0%, 25%
CMY	0.0778, 0.9998, 0.7525
CMYK	0.00, 1.00, 0.73, 0.08
HSL	344°, 100%, 46%
HSV	344°, 100%, 92%
XYZ	35.2116, 18.0483, 6.3464
YIQ	77.4470, 119.8370, 69.4130

# Conversions

## Conversions Part 2

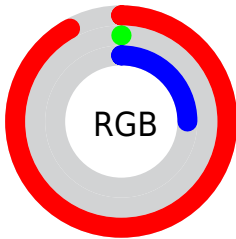
<b>Format</b>	<b>Color</b>
<b>RYB</b>	235, 0, 63
Decimal	15401023
CIELab	49.55, 76.54, 35.48
CIELCh	50, 84.364, 24.870
Yxy	18.0483, 0.5907, 0.3028
Android (android.graphics.Color)	4293591103 (0xFFEB003F)
YUV	77.4470, -7.1224, 138.1740
Hunter-Lab	42.4832, 73.6014, 20.8812

# Details

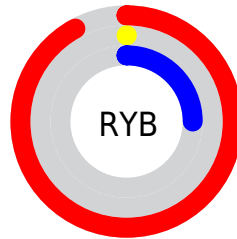
The YIQ color **77.4470, 119.8370, 69.4130** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **157.5530, -119.8370, -69.4130**, and the grayscale version is **77.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **143.4900, 90.7740, 39.9420**, and **53.2240, 94.5790, 42.5710** is the 20% darker color. If you saturate the color by 10%, you get **77.4470, 119.8370, 69.4130**, and if you desaturate by 10%, it is **93.4730, 107.7800, 62.1480**.

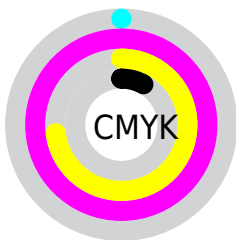
# Distribution



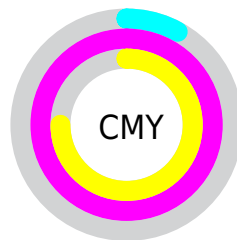
- Red (92%)
- Green (0%)
- Blue (25%)



- Red (92%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (8%)




- Cyan (8%)
- Magenta (100%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 77.4470, 119.8370, 69.4130 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 77.4470, 119.8370, 69.4130 by changing the saturation by 10% instead.




 77.4470, 119.8370,  
69.4130


 77.4470, 119.8370,  
69.4130


255.0000, -0.0000,  
-0.0000


 65.0720, 107.2310,  
55.5750


 143.4900, 90.7740,  
39.9420


 53.2240, 94.5790,  
42.5710


 164.5370, 74.2240,  
31.5040


 41.2620, 82.2480,  
29.2560


 185.1110, 57.6280,  
23.9000

 31.9220, 62.5340,  
23.0940

 205.7990, 40.7110,  
16.6070

 23.1800, 44.0120,  
17.3560

 226.6010, 23.4730,  
9.6250

 13.2700, 25.9030,  
9.6390

 248.1040, 5.6390,

 0.0000, 0.0000,

2.4310

0.0000

■ 77.4470, 119.8370,  
69.4130

■ 93.4730, 107.7800,  
62.1480

■ 109.0260, 95.6770,  
55.7170

■ 125.0520, 83.6200,  
48.4520

■ 140.4910, 71.8380,  
41.7100

■ 156.5170, 59.7810,  
34.4450

■ 171.9560, 47.9990,  
27.7030

■ 188.0960, 35.6210,  
20.7490

■ 203.5350, 23.8390,  
14.0070

■ 219.5610, 11.7820,  
6.7420

# Harmonies

## Analogous

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



84.8290, 96.1750, 90.7590



77.4470, 119.8370, 69.4130



105.9070, 101.2800, 3.7120

# Triad

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



77.4470, 119.8370, 69.4130



84.8190, -44.5530, -68.1450



105.9670, -117.8800, 10.7920

# Complementary

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



77.4470, 119.8370, 69.4130



157.5530, -119.8370, -69.4130

# 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.



111.4320, -115.3560, -1.9160



77.4470, 119.8370, 69.4130



97.4440, -73.2130, -44.3250

# Square

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



77.4470, 119.8370, 69.4130



102.3120, 14.6350, -50.4930



106.4670, -97.2420, -21.8340



109.5700, -70.3850, 36.6150



# Rectangle

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



77.4470, 119.8370, 69.4130



111.0140, 75.3330, -16.1470



106.4670, -97.2420, -21.8340



109.4890, -119.5300, 7.6540

# Sweetspot

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



77.4470, 119.8370, 69.4130



204.0040, 38.8760, 22.3320



77.3210, 25.2890, 108.9130



97.1220, 23.5640, 13.4840



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.



77.4470, 119.8370, 69.4130



83.9970, 130.1520, 75.2080



100.2020, 126.0350, 23.1470



109.6310, 5.5930, 3.2650



59.7050, 92.1470, 53.6110



17.7420, 27.6900, 15.8020



# Inverse Universe

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



77.4470, 119.8370, 69.4130



83.9970, 130.1520, 75.2080



134.7980, -126.0350, -23.1470



109.6310, 5.5930, 3.2650



59.7050, 92.1470, 53.6110



17.7420, 27.6900, 15.8020



# Previews

## White Background



This preview shows how the YIQ color 77.4470, 119.8370, 69.4130 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 77.4470, 119.8370, 69.4130 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 77.4470, 119.8370, 69.4130

## Background



This preview shows how black text looks on a background with the YIQ color 77.4470, 119.8370, 69.4130.



This preview shows how white text looks on a background with the YIQ color 77.4470, 119.8370,



# 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

77.4470, 119.8370, 69.4130

### Protanopia

118.5420, 12.7930, -6.0790

### Deuteranopia

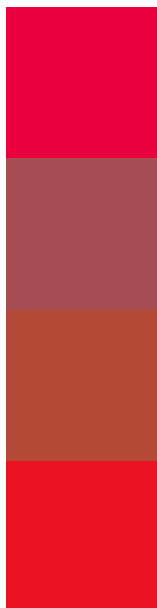
116.9840, 40.4870, -12.3850



## Tritanopia

87.3940, 126.2150, 41.9190

# Trichromacy



## Original Color

77.4470, 119.8370, 69.4130

## Protanomaly

103.7080, 51.3930, 21.2570

## Deuteranomaly

102.9410, 69.5500, 17.0860

## Tritanomaly

83.9350, 123.5540, 51.6020

# Monochromacy



## Original Color

77.4470, 119.8370, 69.4130

## Achromatopsia

78.0000, -0.0000, -0.0000

## Achromatomaly

78.0370, 43.2770, 25.1730

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 77.4470, 119.8370, 69.4130 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(235, 0, 63)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 63)  
}
```

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(235, 0, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 63) }
```

## Border

The CSS property to change the border of an element to YIQ 77.4470, 119.8370, 69.4130 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(235, 0, 63) }
```



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

```
.border{ border-color:rgb(235, 0, 63) }
```

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

Here you see how a box with a 4 pixel rgb(235, 0, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 63);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 63)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 77.4470, 119.8370, 69.4130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 63) }
```

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

```
.background{ background-color: rgb(235, 0,  
63) }
```

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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