

# Converting Colors

YIQ(42.2070, 3.8510, 1.7950)

Have a look what the booklet for  
YIQ(42.2070, 3.8510, 1.7950)  
contains.

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# Color

**YIQ(42.2070, 3.8510, 1.7950)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2F2829
RGB	47, 40, 41
RGB Percent	18%, 16%, 16%
CMY	0.8157, 0.8431, 0.8392
CMYK	0.00, 0.15, 0.13, 0.82
HSL	351°, 8%, 17%
HSV	351°, 15%, 18%
XYZ	2.3315, 2.2819, 2.4157
YIQ	42.2070, 3.8510, 1.7950

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">47, 40, 41</a>
Decimal	<a href="#">3090473</a>
CIELab	<a href="#">16.90, 3.46, 0.53</a>
CIElCh	<a href="#">17, 3.499, 8.704</a>
Yxy	<a href="#">2.2819, 0.3317, 0.3246</a>
Android (android.graphics.Color)	<a href="#">4281280553 (0xFF2F2829)</a>
YUV	<a href="#">42.2070, -0.5951, 4.2035</a>
Hunter-Lab	<a href="#">15.1061, 1.1141, 1.0928</a>

# Details

The YIQ color **42.2070, 3.8510, 1.7950** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **44.7930, -3.8510, -1.7950**, and the grayscale version is **42.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **87.5060, 4.4470, 2.0070**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **38.8160, 6.5100, 3.1660**, and if you desaturate by 10%, it is **45.5980, 1.1920, 0.4240**.

# Distribution



 Red (18%)

 Green (16%)

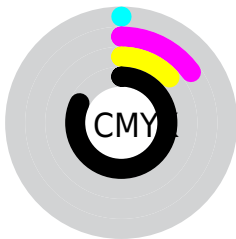
 Blue (16%)



 Red (18%)

 Yellow (16%)

 Blue (16%)



 Cyan (0%)

 Magenta (15%)

 Yellow (13%)

 Black (82%)



 Cyan (82%)

 Magenta (84%)

 Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 42.2070, 3.8510, 1.7950 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 42.2070, 3.8510, 1.7950 by changing the saturation by 10% instead.



■ 42.2070, 3.8510,  
1.7950

■ 42.2070, 3.8510,  
1.7950

■ 255.0000, -0.0000,  
-0.0000

■ 21.9080, 3.2550,  
1.5830

■ 87.5060, 4.4470,  
2.0070

■ 0.0000, 0.0000,  
0.0000

■ 111.8050, 5.0430,  
2.2190

■ 137.5060, 4.4470,  
2.0070

■ 163.8050, 5.0430,  
2.2190

■ 190.8050, 5.0430,  
2.2190

■ 218.2180, 5.3180,

2.7420

247.1040, 5.6390,  
2.4310

42.2070, 3.8510,  
1.7950

42.2070, 3.8510,  
1.7950

38.8160, 6.5100,  
3.1660

45.5980, 1.1920,  
0.4240

36.0120, 8.8940,  
4.0140

48.4020, -1.1920,  
-0.4240

32.6210, 11.5530,  
5.3850

51.7930, -3.8510,  
-1.7950

29.2300, 14.2120,  
6.7560

55.1840, -6.5100,  
-3.1660

25.8390, 16.8710,  
8.1270

58.5750, -9.1690,  
-4.5370

■ 23.0350, 19.2550,  
8.9750

■ 61.3790, -11.5530,  
-5.3850

■ 19.6440, 21.9140,  
10.3460

■ 64.7700, -14.2120,  
-6.7560

■ 16.2530, 24.5730,  
11.7170

■ 68.1610, -16.8710,  
-8.1270

■ 14.8510, 25.7650,  
12.1410

■ 70.9650, -19.2550,  
-8.9750

# Harmonies

## Analogous

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



42.2500, 2.2920, 2.5160



42.2070, 3.8510, 1.7950



41.9790, 4.4930, 1.1730

# Triad

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



42.2070, 3.8510, 1.7950



40.9460, 0.0920, -1.6680



40.9610, -4.2640, 0.1840

# Complementary

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



42.2070, 3.8510, 1.7950



44.7930, -3.8510, -1.7950

# 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.



41.1350, -4.8140, -0.8620



42.2070, 3.8510, 1.7950



40.8640, -2.6130, -2.2050

# Square

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



42.2070, 3.8510, 1.7950



41.7290, 2.2010, -1.3430



40.7930, -3.8510, -1.7950



41.9720, -2.7970, 1.1310



# Rectangle

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



42.2070, 3.8510, 1.7950



42.0390, 4.2640, -0.1840



40.7930, -3.8510, -1.7950



41.5480, -4.5390, -0.3390

# Sweetspot

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



42.2070, 3.8510, 1.7950



59.5980, 1.1920, 0.4240



42.5920, 1.3290, 3.4490



29.5980, 1.1920, 0.4240



158.0000, -0.0000, 0.0000



31.0000, -0.0000, -0.0000



# Same Dimension

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



42.2070, 3.8510, 1.7950



53.5170, 5.9140, 2.9540



43.2670, 3.6220, 0.4380



21.5980, 1.1920, 0.4240



27.3810, 48.0000, 22.1760



67.5200, 117.5930, 55.0090



# Inverse Universe

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



42.2070, 3.8510, 1.7950



53.5170, 5.9140, 2.9540



43.7330, -3.6220, -0.4380



21.5980, 1.1920, 0.4240



27.3810, 48.0000, 22.1760

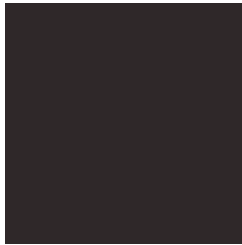


67.5200, 117.5930, 55.0090



# Previews

## White Background



This preview shows how the YIQ color 42.2070, 3.8510, 1.7950 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

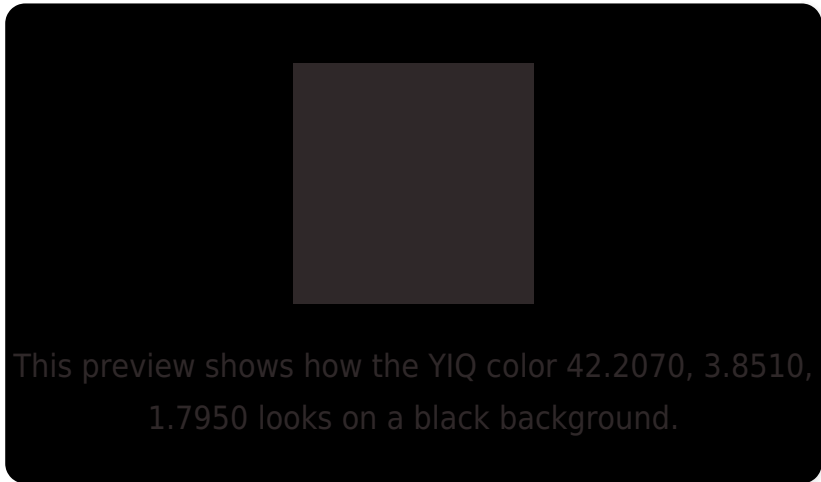
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

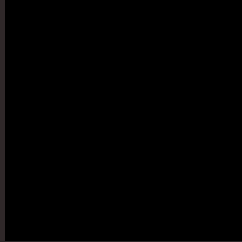
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 42.2070, 3.8510, 1.7950**

## **Background**



This preview shows how black text looks on a background with the YIQ color 42.2070, 3.8510, 1.7950.

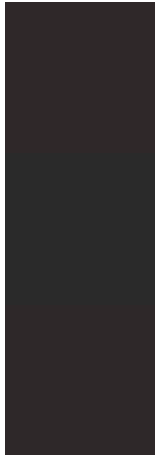


This preview shows how white text looks on a background with the YIQ color 42.2070, 3.8510, 1.7950.

# 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

42.2070, 3.8510, 1.7950

### Protanopia

42.0000, -0.0000, -0.0000

### Deuteranopia

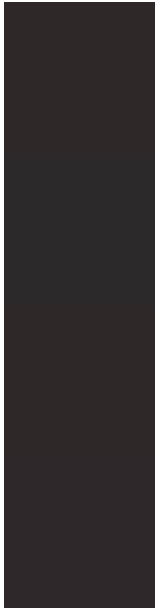
41.9080, 3.2550, 1.5830



## Tritanopia

42.4350, 3.2090, 2.4170

# Trichromacy



## Original Color

42.2070, 3.8510, 1.7950

## Protanomaly

42.0110, 1.4670, 0.9470

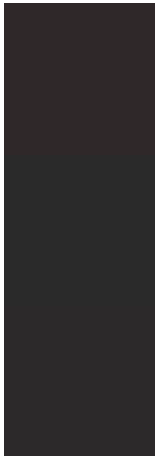
## Deuteranomaly

41.9080, 3.2550, 1.5830

## Tritanomaly

42.3210, 3.5300, 2.1060

# Monochromacy



## Original Color

42.2070, 3.8510, 1.7950

## Achromatopsia

42.0000, -0.0000, -0.0000

## Achromatomaly

42.0110, 1.4670, 0.9470

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 42.2070, 3.8510, 1.7950 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(47, 40, 41)` looks like.

```
.text, #text, p{  
    color:rgb(47, 40, 41)  
}
```

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(47, 40, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 40, 41) }
```

## Border

The CSS property to change the border of an element to YIQ 42.2070, 3.8510, 1.7950 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(47, 40, 41) }
```

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

```
.border{ border-color:rgb(47, 40, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 40, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 40, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 40, 41);  
box-shadow:4px 4px 4px 4px rgb(47, 40, 41)  
}
```



# Background

The CSS property to change the background color of an element to YIQ 42.2070, 3.8510, 1.7950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 40, 41) }
```

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

```
.background{ background-color: rgb(47, 40,  
41) }
```

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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