

# Converting Colors

YIQ(70.6370, 23.7920, 20.3680)

Have a look what the booklet for  
YIQ(70.6370, 23.7920, 20.3680)  
contains.

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# Color

**YIQ(70.6370, 23.7920,  
20.3680)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6A334F
RGB	106, 51, 79
RGB Percent	42%, 20%, 31%
CMY	0.5842, 0.8001, 0.6901
CMYK	0.00, 0.52, 0.25, 0.58
HSL	329°, 35%, 31%
HSV	329°, 52%, 42%
XYZ	8.5431, 5.9969, 8.1079
YIQ	70.6370, 23.7920, 20.3680

# Conversions

## Conversions Part 2

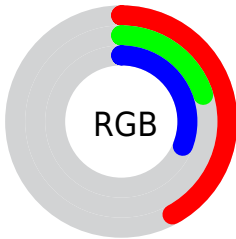
<b>Format</b>	<b>Color</b>
<b>RYB</b>	106, 51, 79
Decimal	6959951
CIELab	29.40, 28.26, -5.86
CIELCh	29, 28.864, 348.290
Yxy	5.9969, 0.3772, 0.2648
Android (android.graphics.Color)	4285150031 (0xFF6A334F)
YUV	70.6370, 4.1230, 31.0134
Hunter-Lab	24.4886, 19.4168, -2.4883

# Details

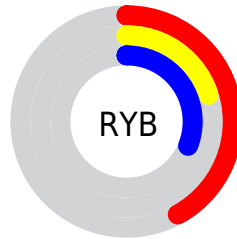
The YIQ color **70.6370, 23.7920, 20.3680** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **86.3630, -23.7920, -20.3680**, and the grayscale version is **71.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **120.2460, 26.4510, 21.7390**, and **23.0820, 21.0410, 20.6650** is the 20% darker color. If you saturate the color by 10%, you get **63.6100, 28.4220, 24.5660**, and if you desaturate by 10%, it is **77.6640, 19.1620, 16.1700**.

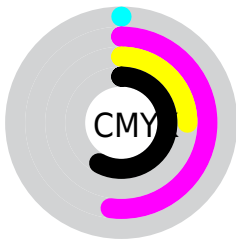
# Distribution



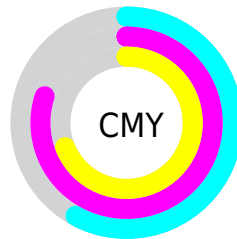
- Red (42%)
- Green (20%)
- Blue (31%)



- Red (42%)
- Yellow (20%)
- Blue (31%)



- Cyan (0%)
- Magenta (52%)
- Yellow (25%)
- Black (58%)



- Cyan (58%)
- Magenta (80%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 70.6370, 23.7920, 20.3680 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 70.6370, 23.7920, 20.3680 by changing the saturation by 10% instead.



70.6370, 23.7920,  
20.3680

70.6370, 23.7920,  
20.3680

255.0000, -0.0000,  
-0.0000

47.0390, 22.6000,  
19.9440

120.2460, 26.4510,  
21.7390

23.0820, 21.0410,  
20.6650

146.8440, 27.6430,  
22.1630

12.5450, 17.8790,  
11.8870

173.5560, 28.5140,  
22.8980

0.0000, 0.0000,  
0.0000

201.1540, 29.7060,  
23.3220

224.1850, 19.2530,  
20.0290

242.6730, 5.7750,

10.9830

■ 70.6370, 23.7920,  
20.3680

■ 70.6370, 23.7920,  
20.3680

■ 63.6100, 28.4220,  
24.5660

■ 77.6640, 19.1620,  
16.1700

■ 57.1700, 32.7770,  
28.2410

■ 84.1040, 14.8070,  
12.4950

■ 50.0290, 37.7280,  
32.1280

■ 91.2450, 9.8560,  
8.6080

■ 43.5890, 42.0830,  
35.8030

■ 97.6850, 5.5010,  
4.9330

■ 37.8500, 45.8420,  
39.2660

■ 104.7120, 0.8710,  
0.7350

■ 111.7390, -3.7590,  
-3.4630

■ 118.1790, -8.1140,  
-7.1380

■ 125.3200,  
-13.0650, -11.0250

■ 131.7600,  
-17.4200, -14.7000

# Harmonies

## Analogous

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



71.6440, 4.7190, 19.1110



70.6370, 23.7920, 20.3680



69.5100, 34.1550, 14.2750

# Triad

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



70.6370, 23.7920, 20.3680



65.7450, 13.2990, -15.2530



58.0010, -54.4670, -9.5950

# Complementary

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



70.6370, 23.7920, 20.3680



86.3630, -23.7920, -20.3680

# 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.



56.4220, -48.6430, -16.0270



70.6370, 23.7920, 20.3680



62.3880, -7.7450, -19.3370

# Square

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



70.6370, 23.7920, 20.3680



67.8010, 28.0610, -7.4510



53.6860, -40.9390, -23.4910



56.3200, -56.6230, -3.5590



# Rectangle

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



70.6370, 23.7920, 20.3680



68.8920, 35.7150, 8.0270



53.6860, -40.9390, -23.4910



57.9040, -52.8160, -11.9840

# Sweetspot

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



70.6370, 23.7920, 20.3680



123.8320, 9.5810, 8.0850



65.3430, -1.5630, 22.8290



60.5710, 5.8220, 4.6220



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000



# Same Dimension

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



70.6370, 23.7920, 20.3680



82.7300, 37.1320, 31.9160



67.5590, 32.4590, 11.9710



50.1360, 2.6130, 2.2050



41.8230, 50.4720, 43.4640



87.5050, 105.8950, 90.8150



# Inverse Universe

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



70.6370, 23.7920, 20.3680



82.7300, 37.1320, 31.9160



89.4410, -32.4590, -11.9710



50.1360, 2.6130, 2.2050



41.8230, 50.4720, 43.4640

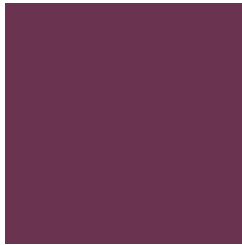


87.5050, 105.8950, 90.8150



# Previews

## White Background



This preview shows how the YIQ color 70.6370, 23.7920, 20.3680 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

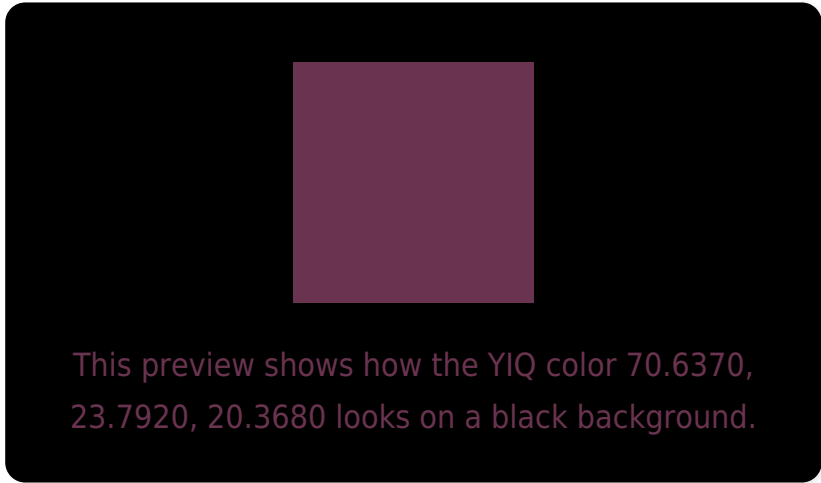
Any Text WCAG AA ✓ Pass

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

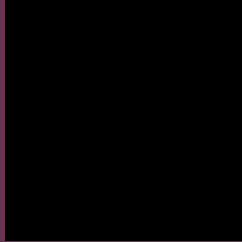
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 70.6370, 23.7920, 20.3680**

## **Background**



This preview shows how black text looks on a background with the YIQ color 70.6370, 23.7920, 20.3680.



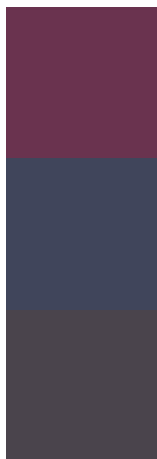
This preview shows how white text looks on a background with the YIQ color 70.6370, 23.7920,



# 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

70.6370, 23.7920, 20.3680

### Protanopia

70.0130, -10.0420, 5.7820

### Deuteranopia

70.7060, 1.0080, 3.7600



## Tritanopia

70.1070, 27.9200, 11.6320

# Trichromacy



## Original Color

70.6370, 23.7920, 20.3680

## Protanomaly

69.9330, 2.1070, 11.3790

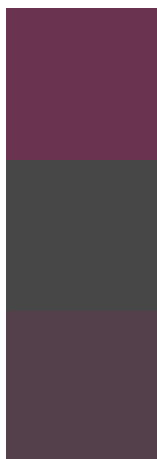
## Deuteranomaly

70.8860, 9.4890, 9.7530

## Tritanomaly

70.6170, 26.5440, 14.5440

# Monochromacy



## Original Color

70.6370, 23.7920, 20.3680

## Achromatopsia

71.0000, -0.0000, -0.0000

## Achromatomaly

71.1200, 8.7100, 7.3500

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 70.6370, 23.7920, 20.3680 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(106, 51, 79)` looks like.

```
.text, #text, p{  
    color:rgb(106, 51, 79)  
}
```

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(106, 51, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 51, 79) }
```

## Border

The CSS property to change the border of an element to YIQ 70.6370, 23.7920, 20.3680 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(106, 51, 79) }
```



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

```
.border{ border-color:rgb(106, 51, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 51, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 51, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 51, 79);  
box-shadow:4px 4px 4px 4px rgb(106, 51,  
79) }
```

# Background

The CSS property to change the background color of an element to YIQ 70.6370, 23.7920, 20.3680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 51, 79) }
```

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

```
.background{ background-color: rgb(106, 51,  
79) }
```

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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