

# Converting Colors

YIQ(70.9240, -20.0370, 5.2030)

Have a look what the booklet for  
YIQ(70.9240, -20.0370, 5.2030)  
contains.

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# Color

**YIQ(70.9240, -20.0370,  
5.2030)**

# Conversions

## Conversions Part 1

Format	Color
Hex	374966
RGB	55, 73, 102
RGB Percent	22%, 29%, 40%
CMY	0.7843, 0.7137, 0.6001
CMYK	0.46, 0.28, 0.00, 0.60
HSL	217°, 30%, 31%
HSV	217°, 46%, 40%
XYZ	6.3552, 6.5369, 13.4904
YIQ	70.9240, -20.0370, 5.2030

# Conversions

## Conversions Part 2

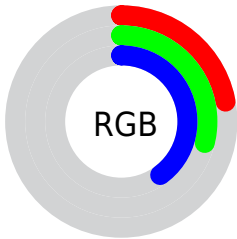
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	55, 68, 102
Decimal	3623270
CIE <sub>Lab</sub>	30.73, 1.52, -19.14
CIE <sub>LCh</sub>	31, 19.199, 274.552
Yxy	6.5369, 0.2409, 0.2478
Android (android.graphics.Color)	4281813350 (0xFF374966)
YUV	70.9240, 15.3205, -13.9653
Hunter-Lab	25.5674, -0.3737, -13.3866

# Details

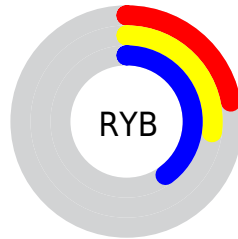
The YIQ color **70.9240, -20.0370, 5.2030** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **86.0760, 20.0370, -5.2030**, and the grayscale version is **71.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **119.5650, -20.4040, 6.3480**, and **25.3750, -22.9250, 2.4750** is the 20% darker color. If you saturate the color by 10%, you get **64.4120, -24.3470, 6.2210**, and if you desaturate by 10%, it is **77.4360, -15.7270, 4.1850**.

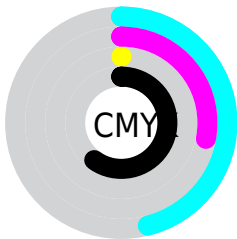
# Distribution



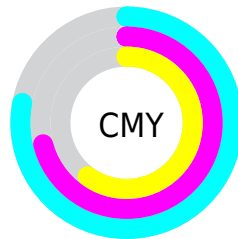
- Red (22%)
- Green (29%)
- Blue (40%)



- Red (22%)
- Yellow (27%)
- Blue (40%)



- Cyan (46%)
- Magenta (28%)
- Yellow (0%)
- Black (60%)



- Cyan (78%)
- Magenta (71%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 70.9240, -20.0370, 5.2030 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 70.9240, -20.0370, 5.2030 by changing the saturation by 10% instead.



■ 70.9240, -20.0370,  
5.2030

■ 70.9240, -20.0370,  
5.2030

■ 255.0000, -0.0000,  
-0.0000

■ 48.0980, -20.5870,  
4.1570

■ 119.5650,  
-20.4040, 6.3480

■ 25.3750, -22.9250,  
2.4750

■ 145.6790,  
-20.7250, 6.6590

■ 5.6370, -11.7390,  
9.0050

■ 172.7930,  
-21.0460, 6.9700

■ 0.9120, -2.5680,  
2.4880

■ 199.9070,  
-21.3670, 7.2810

■ 0.0000, 0.0000,  
0.0000

■ 226.8810,  
-18.4780, 4.4820

■ 250.5150, -8.9400,

-3.1800

■ 70.9240, -20.0370,  
5.2030

■ 70.9240, -20.0370,  
5.2030

■ 64.4120, -24.3470,  
6.2210

■ 77.4360, -15.7270,  
4.1850

■ 57.3130, -28.3820,  
7.7620

■ 84.5350, -11.6920,  
2.6440

■ 50.5020, -33.2880,  
8.5680

■ 91.3460, -6.7860,  
1.8380

■ 43.9900, -37.5980,  
9.5860

■ 97.8580, -2.4760,  
0.8200

■ 37.4780, -41.9080,  
10.6040

■ 104.3700, 1.8340,  
-0.1980

■ 34.5210, -43.4670,  
11.3250

■ 111.4690, 5.8690,  
-1.7390

■ 117.9810, 10.1790,  
-2.7570

■ 124.7920, 15.0850,  
-3.5630

■ 131.8910, 19.1200,  
-5.1040

# Harmonies

## Analogous

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



65.7540, -34.4780, -2.9100



70.9240, -20.0370, 5.2030



73.9970, -3.9450, 10.9270

# Triad

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



70.9240, -20.0370, 5.2030



73.5640, 24.8950, 5.8790



66.8530, -13.2480, -13.2160

# Complementary

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



70.9240, -20.0370, 5.2030



86.0760, 20.0370, -5.2030

# 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.



69.1060, 2.1570, -11.5630



70.9240, -20.0370, 5.2030



72.3800, 22.2370, -1.0190

# Square

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



70.9240, -20.0370, 5.2030



74.1000, 20.6300, 11.5900



70.9720, 14.3980, -7.6340



63.4690, -29.6620, -13.1020



# Rectangle

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



70.9240, -20.0370, 5.2030



74.4390, 6.5540, 13.3860



70.9720, 14.3980, -7.6340



68.0770, -8.0670, -13.4990

# Sweetspot

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



70.9240, -20.0370, 5.2030



120.2750, -8.0240, 2.2480



85.7810, -21.9130, -15.8730



58.6020, -4.6310, 1.3290



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000



# Same Dimension

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



70.9240, -20.0370, 5.2030



84.7580, -31.1330, 8.0590



61.8530, -12.1070, 15.6770



47.7440, -2.1550, 0.5090



38.9380, -49.0150, 12.7530



82.1790, -103.2570, 26.6230



# Inverse Universe

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



71.1050, 22.2340, 15.5620



85.0190, 34.5200, 24.1840



95.1470, 12.1070, -15.6770



47.7230, 2.3380, 1.6820



39.4010, 54.4160, 38.0640

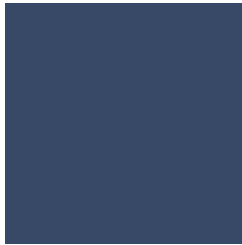


82.9600, 114.3790, 80.2270



# Previews

## White Background



This preview shows how the YIQ color 70.9240, -20.0370, 5.2030 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

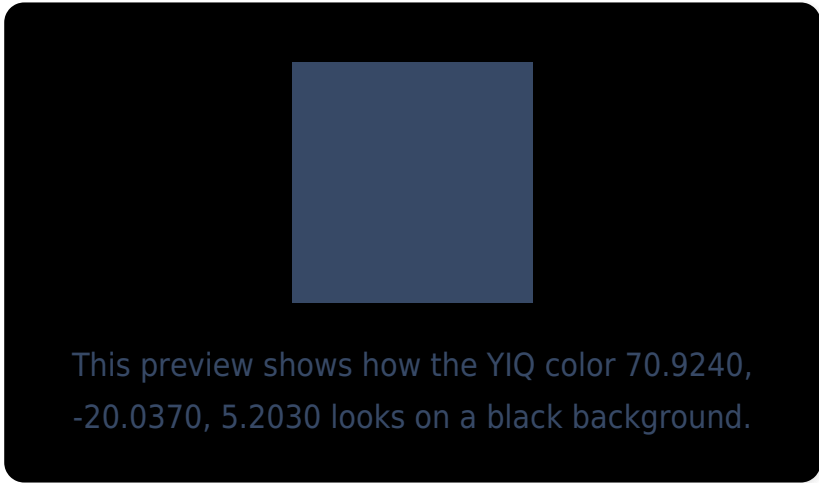
Any Text WCAG AA ✓ Pass

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

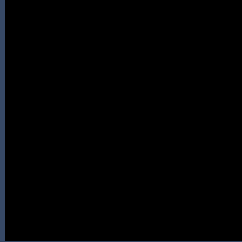
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

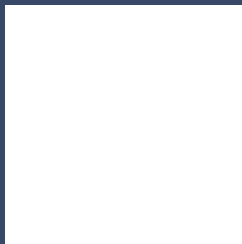
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 70.9240, -20.0370, 5.2030**

## **Background**



This preview shows how black text looks on a background with the YIQ color 70.9240, -20.0370, 5.2030.



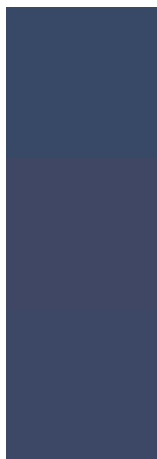
This preview shows how white text looks on a background with the YIQ color 70.9240, -20.0370,



# 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

70.9240, -20.0370, 5.2030

### Protanopia

72.0280, -14.3980, 7.6340

### Deuteranopia

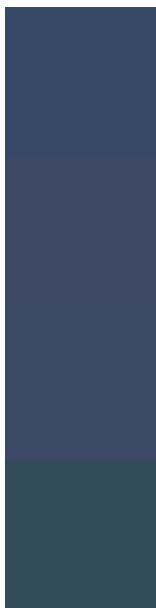
71.5440, -15.9110, 7.5210



## Tritanopia

69.3120, -18.6140, -4.0700

# Trichromacy



## Original Color

70.9240, -20.0370, 5.2030

## Protanomaly

71.7180, -16.4610, 6.4750

## Deuteranomaly

71.5330, -17.3780, 6.5740

## Tritanomaly

70.1210, -19.3940, -0.9460

# Monochromacy



## Original Color

70.9240, -20.0370, 5.2030

## Achromatopsia

71.0000, -0.0000, -0.0000

## Achromatomaly

71.0470, -7.3820, 1.6260

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 70.9240, -20.0370, 5.2030 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(55, 73, 102)` looks like.

```
.text, #text, p{  
    color:rgb(55, 73, 102)  
}
```

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(55, 73, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 73, 102) }
```

## Border

The CSS property to change the border of an element to YIQ 70.9240, -20.0370, 5.2030 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(55, 73, 102) }
```



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

```
.border{ border-color:rgb(55, 73, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 73, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 73, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 73, 102);  
box-shadow:4px 4px 4px 4px rgb(55, 73,  
102) }
```

# Background

The CSS property to change the background color of an element to YIQ 70.9240, -20.0370, 5.2030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 73, 102) }
```

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

```
.background{ background-color: rgb(55, 73,  
102) }
```

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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