

# Converting Colors

YIQ(75.2340, -17.9740, 6.3620)

Have a look what the booklet for  
YIQ(75.2340, -17.9740, 6.3620)  
contains.

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# Color

**YIQ(75.2340, -17.9740,  
6.3620)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3E4C6A
RGB	62, 76, 106
RGB Percent	24%, 30%, 42%
CMY	0.7569, 0.7019, 0.5844
CMYK	0.41, 0.28, 0.00, 0.58
HSL	221°, 26%, 33%
HSV	221°, 41%, 42%
XYZ	7.1715, 7.2338, 14.6474
YIQ	75.2340, -17.9740, 6.3620

# Conversions

## Conversions Part 2

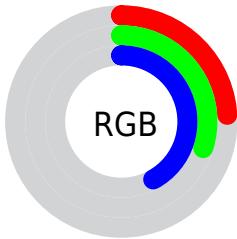
<b>Format</b>	<b>Color</b>
<b>RYB</b>	62, 73, 106
Decimal	4082794
CIELab	32.33, 2.95, -19.14
CIElCh	32, 19.370, 278.752
Yxy	7.2338, 0.2468, 0.2490
Android (android.graphics.Color)	4282272874 (0xFF3E4C6A)
YUV	75.2340, 15.1676, -11.6062
Hunter-Lab	26.8958, 0.5277, -13.4622

# Details

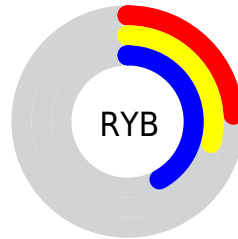
The YIQ color **75.2340, -17.9740, 6.3620** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **92.7660, 17.9740, -6.3620**, and the grayscale version is **75.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **124.4620, -18.6160, 6.9840**, and **29.6960, -19.3950, 4.5810** is the 20% darker color. If you saturate the color by 10%, you get **67.8360, -22.6050, 7.6910**, and if you desaturate by 10%, it is **82.6320, -13.3430, 5.0330**.

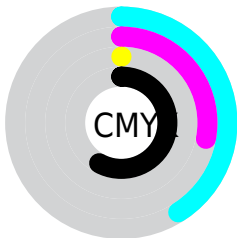
# Distribution



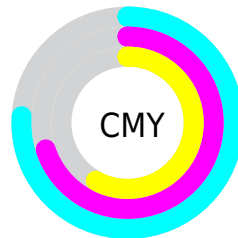
- Red (24%)
- Green (30%)
- Blue (42%)



- Red (24%)
- Yellow (29%)
- Blue (42%)



- Cyan (41%)
- Magenta (28%)
- Yellow (0%)
- Black (58%)



- Cyan (76%)
- Magenta (70%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 75.2340, -17.9740, 6.3620 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 75.2340, -17.9740, 6.3620 by changing the saturation by 10% instead.



■ 75.2340, -17.9740,  
6.3620

■ 75.2340, -17.9740,  
6.3620

■ 255.0000, -0.0000,  
-0.0000

■ 51.8210, -18.2490,  
5.8390

■ 124.4620,  
-18.6160, 6.9840

■ 29.6960, -19.3950,  
4.5810

■ 150.5760,  
-18.9370, 7.2950

■ 8.9140, -14.0770,  
7.3230

■ 177.1030,  
-18.9830, 8.1290

■ 2.1830, -4.7690,  
3.8310

■ 204.8040,  
-19.5790, 7.9170

■ 0.0000, 0.0000,  
0.0000

■ 231.3220,  
-15.4060, 3.8740

■ 252.9070, -4.1720,

-1.4840

■ 75.2340, -17.9740,  
6.3620

■ 75.2340, -17.9740,  
6.3620

■ 67.8360, -22.6050,  
7.6910

■ 82.6320, -13.3430,  
5.0330

■ 60.7370, -26.6400,  
9.2320

■ 89.7310, -9.3080,  
3.4920

■ 52.7520, -30.9960,  
11.0840

■ 97.7160, -4.9520,  
1.6400

■ 45.6530, -35.0310,  
12.6250

■ 104.8150, -0.9170,  
0.0990

■ 38.2550, -39.6620,  
13.9540

■ 112.2130, 3.7140,  
-1.2300

■ 32.0420, -43.3760,  
15.1840

■ 119.6110, 8.3450,  
-2.5590

■ 127.2970, 12.1050,  
-4.6230

■ 134.6950, 16.7360,  
-5.9520

■ 141.7940, 20.7710,  
-7.4930

# Harmonies

## Analogous

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



70.7650, -33.0110, -1.9630



75.2340, -17.9740, 6.3620



78.1930, -1.5610, 11.7750

# Triad

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



75.2340, -17.9740, 6.3620



77.0370, 24.9410, 5.0450



70.1840, -15.6780, -13.2300

# Complementary

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



75.2340, -17.9740, 6.3620



92.7660, 17.9740, -6.3620

# 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.



72.9100, -0.2270, -12.4110



75.2340, -17.9740, 6.3620



75.8530, 22.2830, -1.8530

# Square

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



75.2340, -17.9740, 6.3620



77.4700, 22.4640, 11.3920



74.9610, 12.9310, -8.5810



67.0990, -31.4960, -12.9040



# Rectangle

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



75.2340, -17.9740, 6.3620



78.2220, 8.6630, 13.7110



74.9610, 12.9310, -8.5810



71.4080, -10.4970, -13.5130

# Sweetspot

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



75.2340, -17.9740, 6.3620



125.8730, -6.8320, 2.6720



91.1340, -21.4090, -13.9930



61.9010, -4.0350, 1.5410



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.



75.2340, -17.9740, 6.3620



89.7800, -28.1990, 9.9530



69.1090, -9.9520, 15.1680



49.8580, -2.4760, 0.8200



35.0570, -47.7320, 17.0360



73.7160, -100.0950, 35.4010



# Inverse Universe

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



76.7520, 21.7300, 13.6820



92.1390, 34.0620, 21.4700



98.8910, 9.9520, -15.1680



50.0220, 2.9340, 1.8940



39.2010, 57.8550, 36.3110

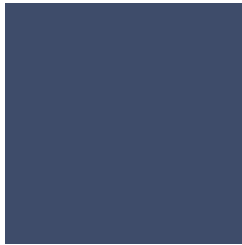


82.1470, 120.9820, 76.1980



# Previews

## White Background



This preview shows how the YIQ color 75.2340, -17.9740, 6.3620 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

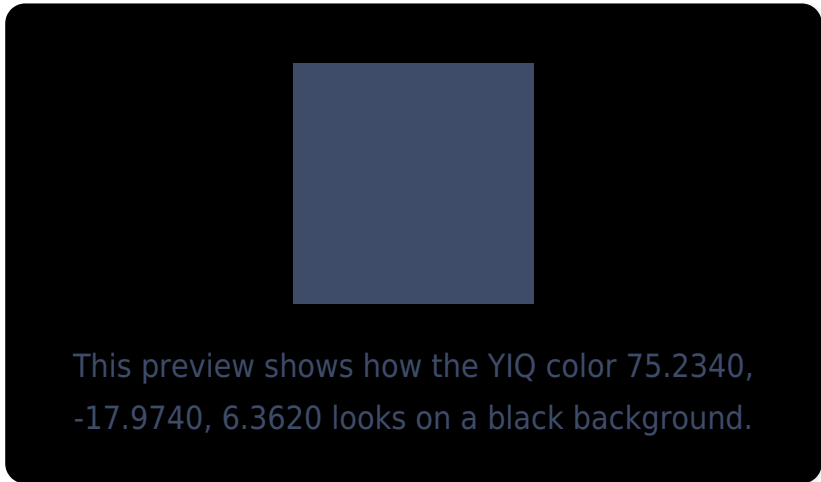
Any Text WCAG AA ✓ Pass

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

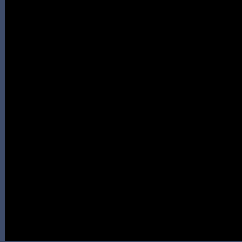
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

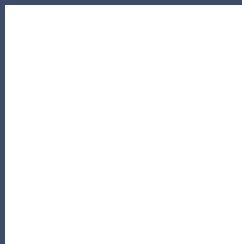
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 75.2340, -17.9740, 6.3620**

## **Background**



This preview shows how black text looks on a background with the YIQ color 75.2340, -17.9740, 6.3620.



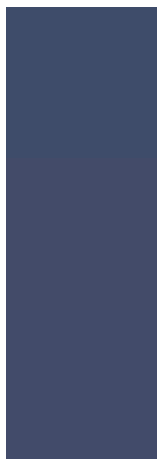
This preview shows how white text looks on a background with the YIQ color 75.2340, -17.9740,



# 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

75.2340, -17.9740, 6.3620

### Protanopia

76.0280, -14.3980, 7.6340

### Deuteranopia

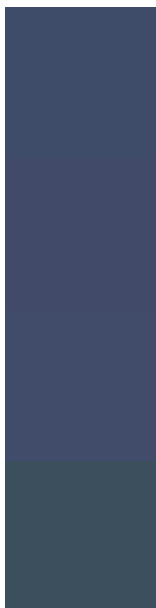
75.8430, -15.3150, 7.7330



## Tritanopia

73.8070, -15.6340, -3.0100

# Trichromacy



## Original Color

75.2340, -17.9740, 6.3620

## Protanomaly

75.4300, -15.5900, 7.2100

## Deuteranomaly

75.5440, -15.9110, 7.5210

## Tritanomaly

74.6160, -16.4140, 0.1140

# Monochromacy



## Original Color

75.2340, -17.9740, 6.3620

## Achromatopsia

75.0000, -0.0000, -0.0000

## Achromatomaly

74.7590, -6.5110, 2.3610

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 75.2340, -17.9740, 6.3620 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(62, 76, 106)` looks like.

```
.text, #text, p{  
    color:rgb(62, 76, 106)  
}
```

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(62, 76, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 76, 106) }
```

## Border

The CSS property to change the border of an element to YIQ 75.2340, -17.9740, 6.3620 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(62, 76, 106) }
```



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

```
.border{ border-color:rgb(62, 76, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 76, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 76, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 76, 106);  
box-shadow:4px 4px 4px 4px rgb(62, 76,  
106) }
```

# Background

The CSS property to change the background color of an element to YIQ 75.2340, -17.9740, 6.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 76, 106) }
```

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

```
.background{ background-color: rgb(62, 76,  
106) }
```

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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