

# Converting Colors

YIQ(73.1620, -0.2760, 5.0040)

Have a look what the booklet for  
YIQ(73.1620, -0.2760, 5.0040)  
contains.

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# Color

**YIQ(73.1620, -0.2760,  
5.0040)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4C4652
RGB	76, 70, 82
RGB Percent	30%, 27%, 32%
CMY	0.7019, 0.7255, 0.6784
CMYK	0.07, 0.15, 0.00, 0.68
HSL	270°, 8%, 30%
HSV	270°, 15%, 32%
XYZ	6.6938, 6.5259, 8.8889
YIQ	73.1620, -0.2760, 5.0040

# Conversions

## Conversions Part 2

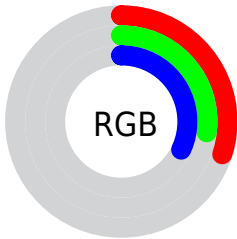
<b>Format</b>	<b>Color</b>
<b>RYB</b>	76, 70, 82
Decimal	4998738
CIELab	30.70, 5.18, -6.24
CIElCh	31, 8.109, 309.691
Yxy	6.5259, 0.3028, 0.2952
Android (android.graphics.Color)	4283188818 (0xFF4C4652)
<b>YUV</b>	73.1620, 4.3571, 2.4889
Hunter-Lab	25.5458, 2.0675, -2.7485

# Details

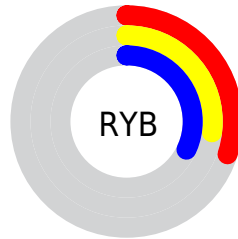
The YIQ color **73.1620, -0.2760, 5.0040** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **78.8380, 0.2760, -5.0040**, and the grayscale version is **73.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **121.5750, -0.0010, 5.5270**, and **29.6350, -0.2300, 4.1700** is the 20% darker color. If you saturate the color by 10%, you get **67.2700, -0.4600, 8.3400**, and if you desaturate by 10%, it is **79.0540, -0.0920, 1.6680**.

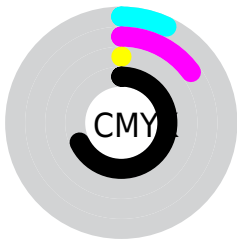
# Distribution



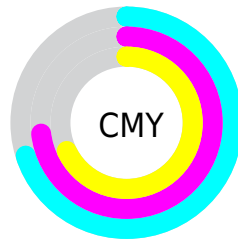
- Red (30%)
- Green (27%)
- Blue (32%)



- Red (30%)
- Yellow (27%)
- Blue (32%)



- Cyan (7%)
- Magenta (15%)
- Yellow (0%)
- Black (68%)



- Cyan (70%)
- Magenta (73%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 73.1620, -0.2760, 5.0040 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 73.1620, -0.2760, 5.0040 by changing the saturation by 10% instead.



■ 73.1620, -0.2760,  
5.0040

■ 73.1620, -0.2760,  
5.0040

■ 255.0000, -0.0000,  
-0.0000

■ 50.7490, -0.5510,  
4.4810

■ 121.5750, -0.0010,  
5.5270

■ 29.6350, -0.2300,  
4.1700

■ 147.5750, -0.0010,  
5.5270

■ 4.6290, -0.0930,  
7.1950

■ 173.6890, -0.3220,  
5.8380

■ 0.0000, 0.0000,  
0.0000

■ 201.6890, -0.3220,  
5.8380

■ 229.6890, -0.3220,  
5.8380

254.4130, 0.2750,

0.5230

■ 73.1620, -0.2760,  
5.0040

■ 73.1620, -0.2760,  
5.0040

■ 67.2700, -0.4600,  
8.3400

■ 79.0540, -0.0920,  
1.6680

■ 61.3780, -0.6440,  
11.6760

■ 84.9460, 0.0920,  
-1.6680

■ 54.8990, -0.5530,  
15.5350

■ 91.4250, 0.0010,  
-5.5270

■ 49.0070, -0.7370,  
18.8710

■ 97.3170, 0.1850,  
-8.8630

■ 43.1150, -0.9210,  
22.2070

■ 103.2090, 0.3690,  
-12.1990

■ 36.9240, -1.7010,  
25.3310

■ 109.4000, 1.1490,  
-15.3230

■ 31.0320, -1.8850,  
28.6670

■ 115.2920, 1.3330,  
-18.6590

■ 24.5530, -1.7940,  
32.5260

■ 121.7710, 1.2420,  
-22.5180

■ 21.6070, -1.8860,  
34.1940

■ 127.6630, 1.4260,  
-25.8540

# Harmonies

## Analogous

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



72.2860, -6.5570, 3.1950



73.1620, -0.2760, 5.0040



73.2120, 5.4550, 5.7670

# Triad

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



73.1620, -0.2760, 5.0040



72.2630, 9.4450, -0.4670



70.0910, -10.6820, -4.6500

# Complementary

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



73.1620, -0.2760, 5.0040



78.8380, 0.2760, -5.0040

# 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.



70.6030, -6.3720, -5.6680



73.1620, -0.2760, 5.0040



71.5290, 5.6400, -3.0960

# Square

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



73.1620, -0.2760, 5.0040



73.2140, 11.1410, 1.8370



70.8380, 0.2760, -5.0040



69.8890, -12.9290, -2.4730



# Rectangle

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



73.1620, -0.2760, 5.0040



73.6530, 8.5270, 5.1590



70.8380, 0.2760, -5.0040



70.1620, -9.4440, -5.0600

# Sweetspot

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



73.1620, -0.2760, 5.0040



104.0540, -0.0920, 1.6680



74.8900, -5.5020, 0.5940



51.6410, -0.3670, 1.1450



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000



# Same Dimension

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



73.1620, -0.2760, 5.0040



92.8570, -0.7350, 7.8170



74.9560, 3.3000, 6.2760



38.0540, -0.0920, 1.6680



27.5180, -2.7130, 43.6790



61.1320, -5.3360, 96.7440



# Inverse Universe

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



74.2720, 5.2260, 4.4100



94.7070, 8.4350, 6.8270



77.0440, -3.3000, -6.2760



38.4240, 1.7420, 1.4700



37.3230, 45.8880, 38.4320



82.5920, 101.0360, 85.2600



# Previews

## White Background



This preview shows how the YIQ color 73.1620, -0.2760, 5.0040 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

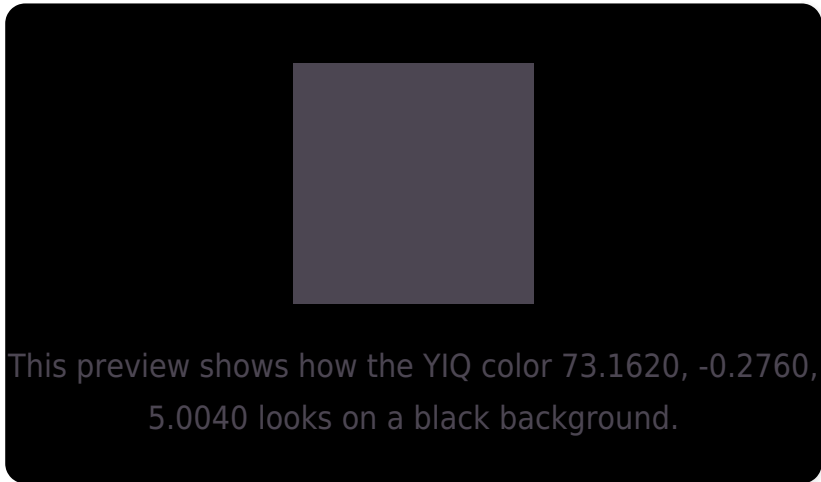
Any Text WCAG AA ✓ Pass

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

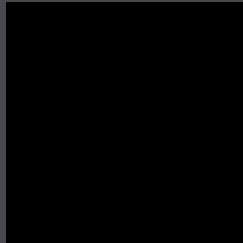
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 73.1620, -0.2760, 5.0040**

## **Background**



This preview shows how black text looks on a background with the YIQ color 73.1620, -0.2760, 5.0040.



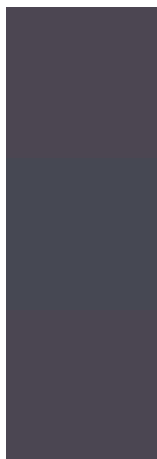
This preview shows how white text looks on a background with the YIQ color 73.1620, -0.2760,



# 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

73.1620, -0.2760, 5.0040

### Protanopia

72.6560, -4.7230, 2.9970

### Deuteranopia

72.8630, -0.8720, 4.7920



## Tritanopia

72.8800, 0.4580, 2.7140

# Trichromacy



## Original Color

73.1620, -0.2760, 5.0040

## Protanomaly

72.6670, -3.2560, 3.9440

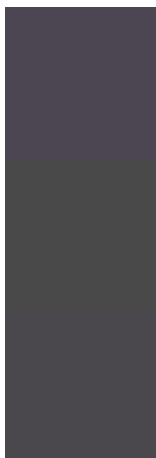
## Deuteranomaly

72.8630, -0.8720, 4.7920

## Tritanomaly

73.1080, -0.1840, 3.3360

# Monochromacy



## Original Color

73.1620, -0.2760, 5.0040

## Achromatopsia

73.0000, -0.0000, -0.0000

## Achromatomaly

73.0540, -0.0920, 1.6680

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 73.1620, -0.2760, 5.0040 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(76, 70, 82)` looks like.

```
.text, #text, p{  
    color:rgb(76, 70, 82)  
}
```

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(76, 70, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 70, 82) }
```

## Border

The CSS property to change the border of an element to YIQ 73.1620, -0.2760, 5.0040 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(76, 70, 82) }
```



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

```
.border{ border-color:rgb(76, 70, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 70, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 70, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 70, 82);  
box-shadow:4px 4px 4px 4px rgb(76, 70, 82)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 73.1620, -0.2760, 5.0040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 70, 82) }
```

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

```
.background{ background-color: rgb(76, 70,  
82) }
```

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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